

Math
Primary 3
First Term
2020/2021

Name:

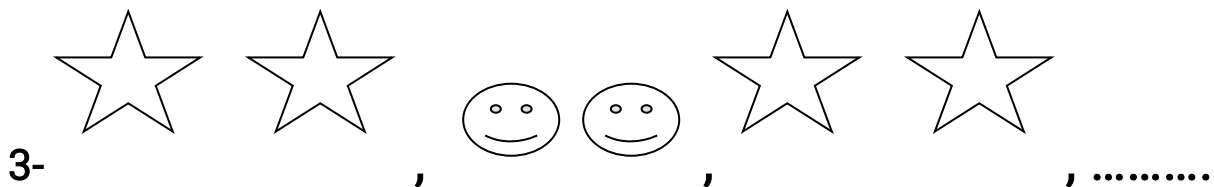
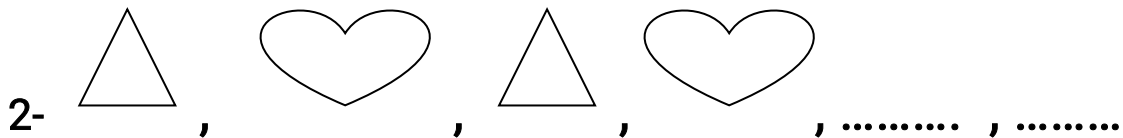
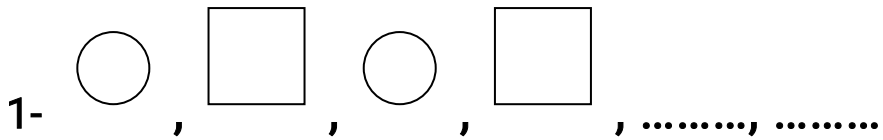
Class:

CHAPTER 1



THE PATTERN

- Complete the pattern



4- 101, 201, 301, 401, 501, ,

5- 225, 235, 245, 255 , ,

6- 300, 315 , 330, 345, ,

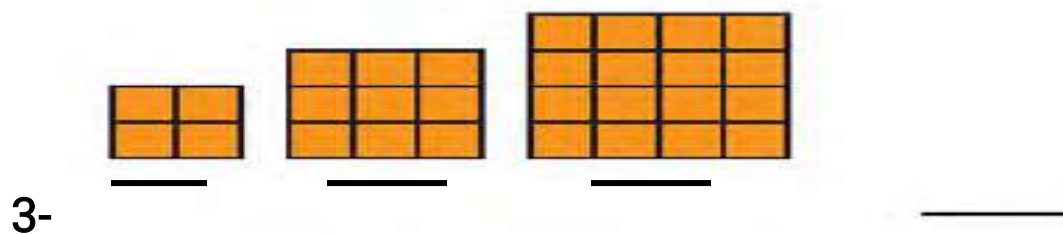
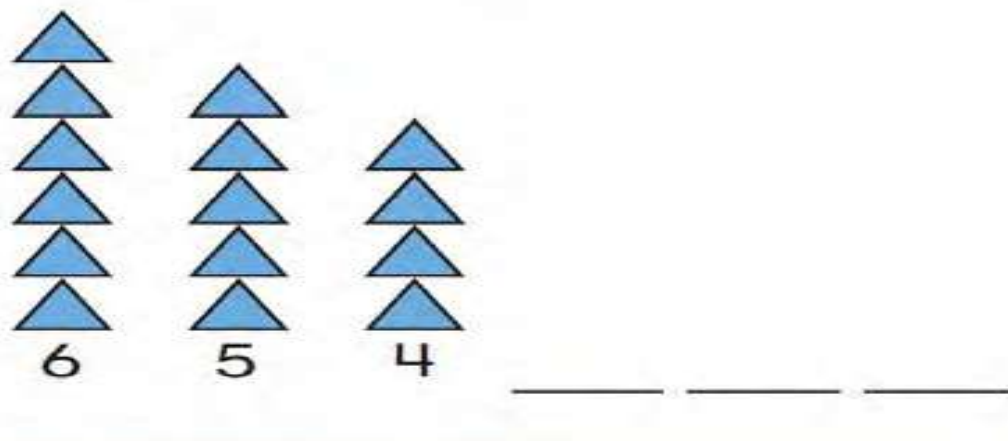
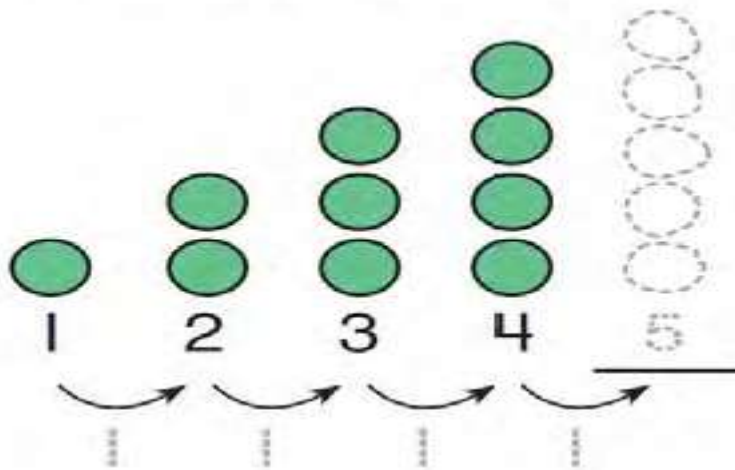
7- 850, 800, 750, 700 , ,

8- 105 100 , 95 , 90, ,

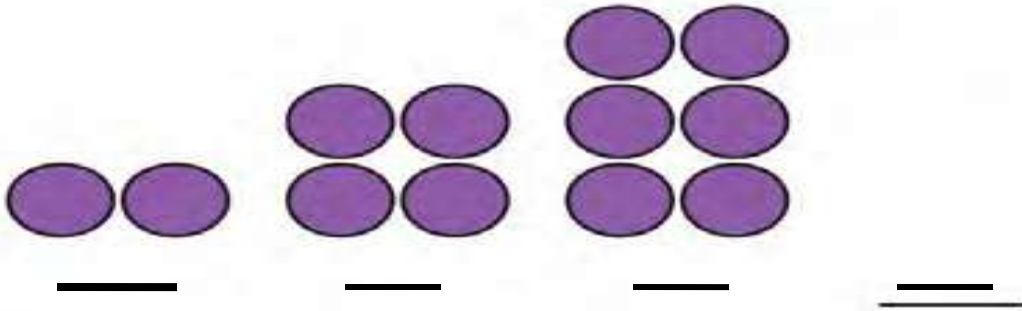
9- 500, 475, 450, 425 , ,

10- 930, 925, 920 , 915 , ,

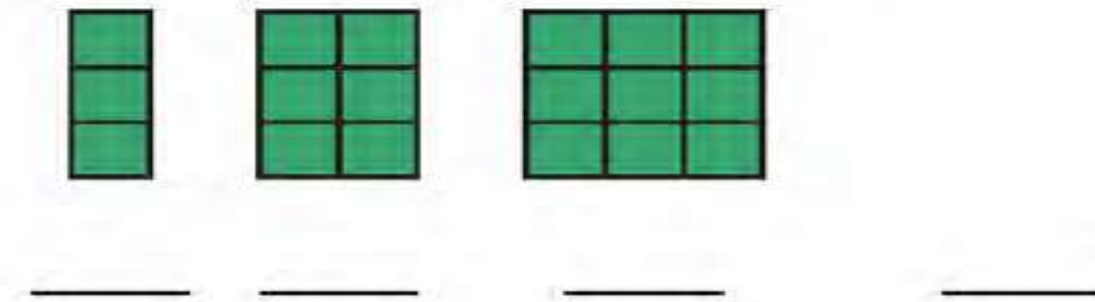
- Draw a picture to show what comes next in the
pattern write the number:



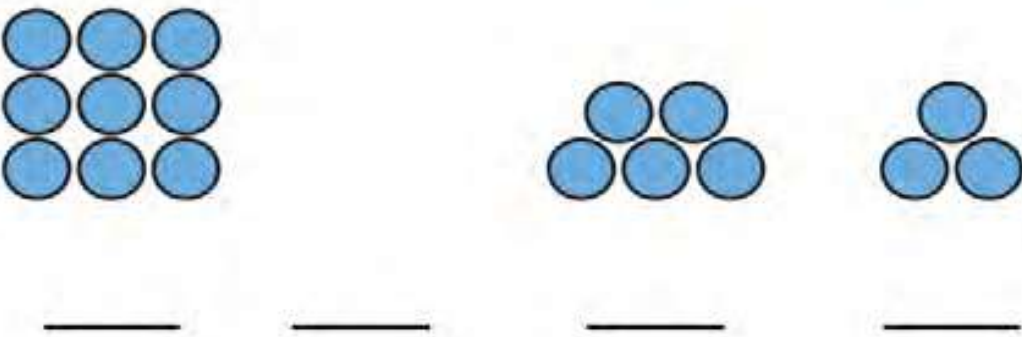
4-



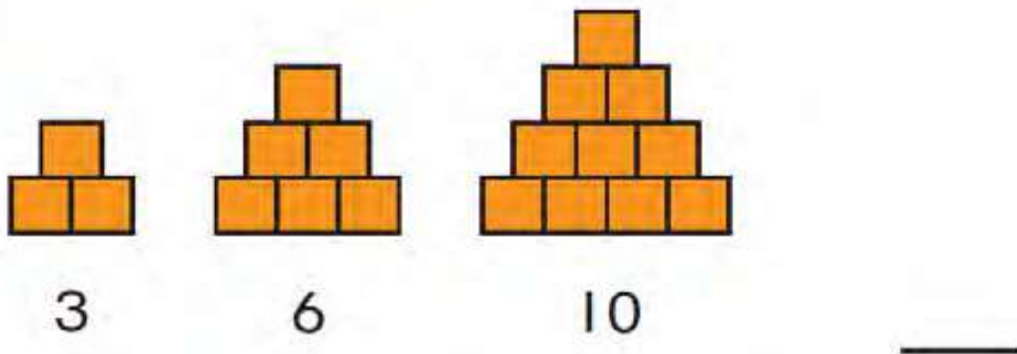
5-

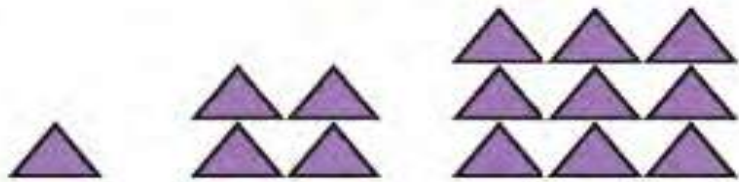


6-



7-





1

4

9

8-



1

2

2

9-



2



4





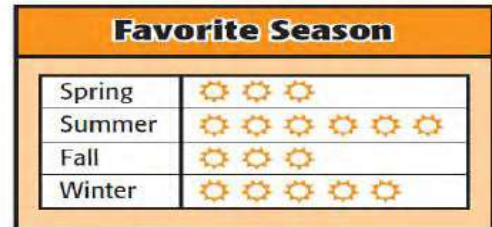
10-

THE BAR GRAPH AND THE PICTOGRAPH

Pictograph

Refer to the pictograph.

1. How many students said they like summer?
2. How many more students said they like winter than fall?
3. How many students said they like spring or winter?
4. What is the total number of students?



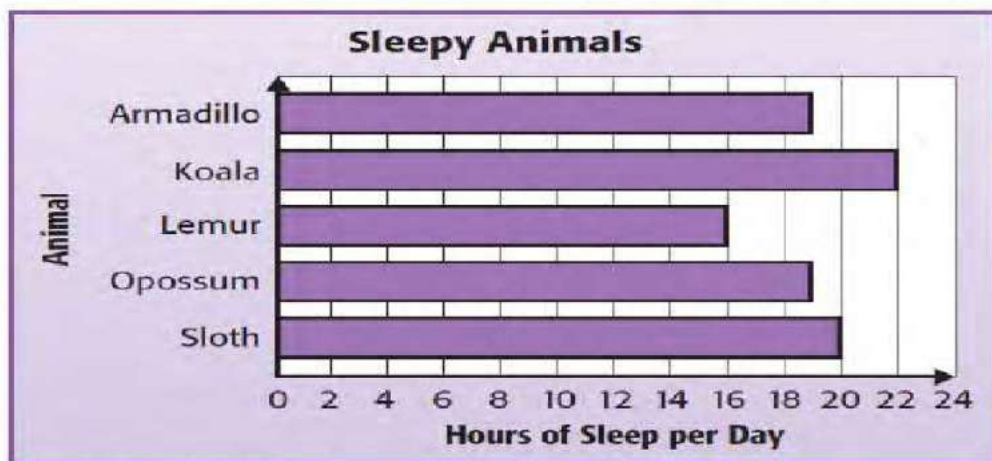
☀ = 2 Students

Bar Graph

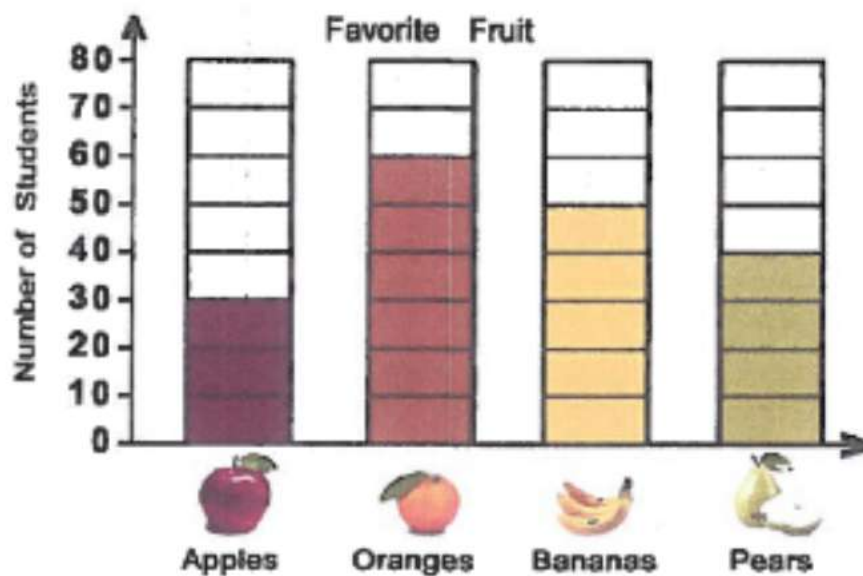
Read a Bar Graph

ANIMALS The bar graph shows how long some animals sleep. Which two animals sleep the most?





In a *horizontal* bar graph, the bars go from left to right.



1- Look at the favorite fruit graph:








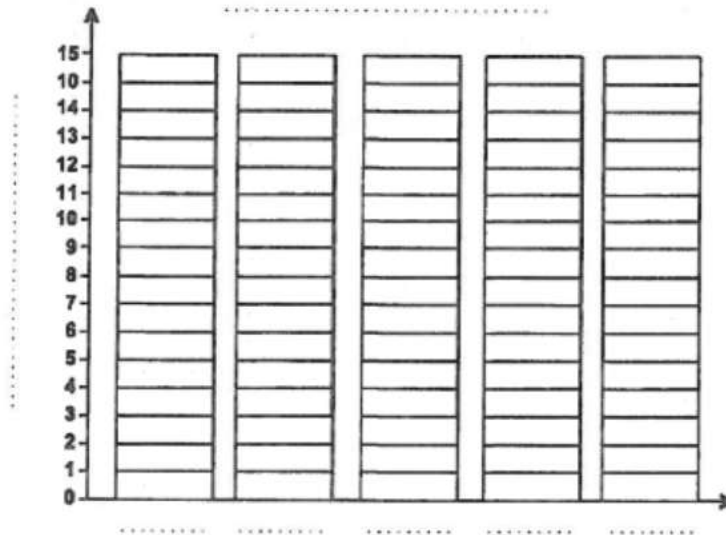
Complete the following table and then answer:

Favorite Fruit		Number of Students
Apples		
Oranges		
Bananas		
Pears		

- How many people like oranges?
- How many people like apples and bananas?
- How many people were asked about their favorite fruit?
.....
- What is the least popular fruit on this graph?

2- Use following table complete the bar graph:

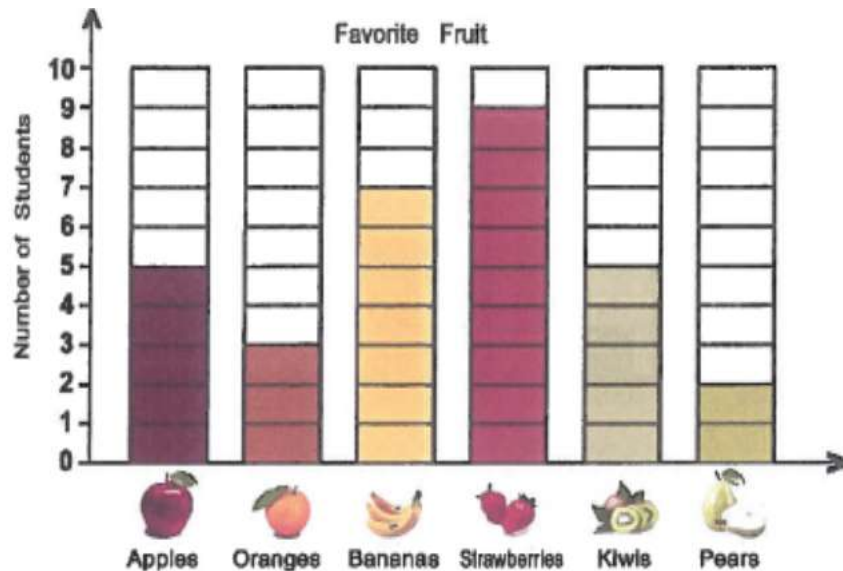
Favorite Desserts		Tallies	Number of Children
Basbousa		||||	
Kunafa		||||| ||||	
Sweet Potatoes		||||	
Sweet Feteer		||||| ||||| ||	
Om Ali		||||| |||||	



Answer the questions:

- How many children like Kunafa?
- How many children like om Ali and Basbousa?
.....
- Which dessert is liked most?
- Which dessert is liked least?

3- Look at the favorite fruit graph:

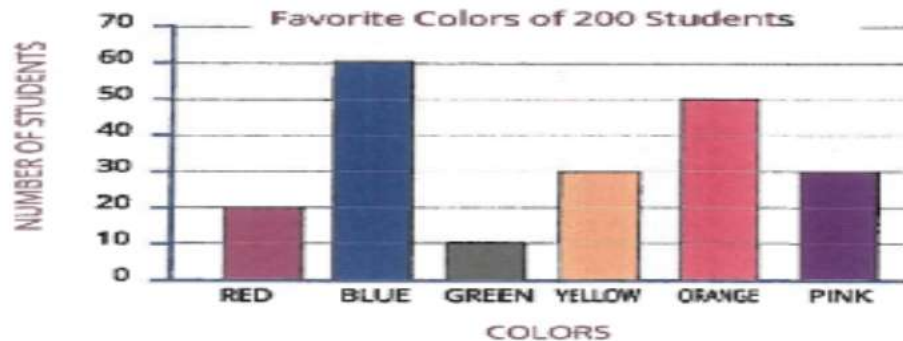


Complete the following table and than answer:

Favorite Fruit						
	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students						

- How many students liked apples?
- How many more students liked strawberries then pears?
- How many students liked kiwis, apples and oranges?
.....
- Which fruit is liked the most?
- Which fruit is liked the least?

4- Look at the favorite Colors graph:

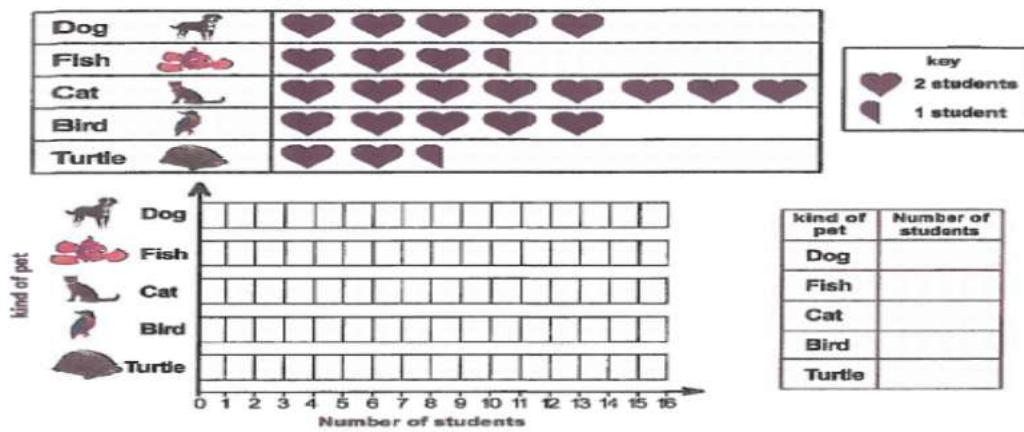


Complete the following table and than answer:

Colors	Number of students
RED	
BLUE	
GREEN	
YELLOW	
ORANGE	
PINK	

- How many students liked red best?
- How many students liked blue best?
- How many students liked green best?
- How many students liked yellow best?
- How many students liked orange best?
- How many students liked pink and blue?
.....
- How many more students liked yellow than green?
.....

5- Convert the data from pictograph into a bar graph than complete the table:



Answer the questions:

- How many students liked Fish?
- How many students liked Bird?
- How many more students liked Cat than Bird?
.....
- How many more students liked Bird than Turtle?
.....
- How many students all together like Dog, Fish and Cat?
.....
- How many students all together like Cat, Bird and Turtle?
.....
- Which pets are liked the most?
- Which pets are liked the least?

6- Look at a Flower pictograph:



Complete the following table and than answer:

The day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of flowers						

- How many flowers were picked on Sunday?
- How many flowers were picked on Tuesday?
- How many more flowers were picked on Saturday than Sunday?
- How many more flowers were picked on Monday than Tuesday?
- How many flowers were picked on Wednesday and Saturday?
- How many flowers were picked on Monday and Sunday?

THE LINE PLOT GRAPH

▶ GET READY to Learn

Antoine surveyed his friends to find out how often they went to a movie theater. The table shows the results.

Movies Per Month			
Zack 0	Carla 1	Grace 2	Ivan 1
Ricardo 1	Nina 2	Betty 0	Tama 1
Latisha 2	Kelley 1	Gabe 4	Ademo 1
David 0	Judie 1	Drew 1	Lauren 3

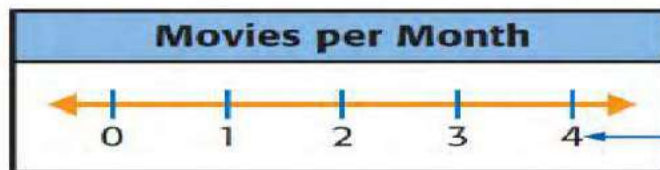


A **line plot** uses a number line to show how often something happens.

Make a Line Plot

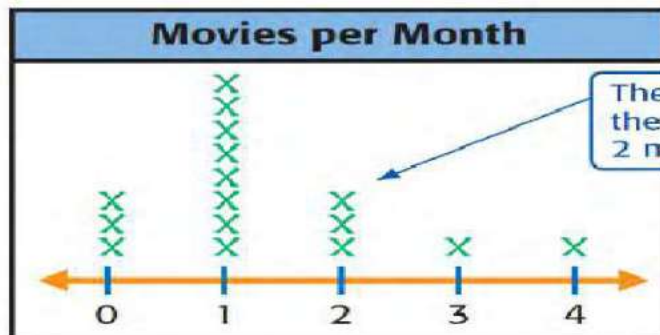
MOVIES Make a line plot for the survey results.

Step 1 Draw and label a number line. Include all values of the data. Give it a title that describes the data.



Include all values of the data. Use 0 to 4.

Step 2 Draw an X above the number for each response.

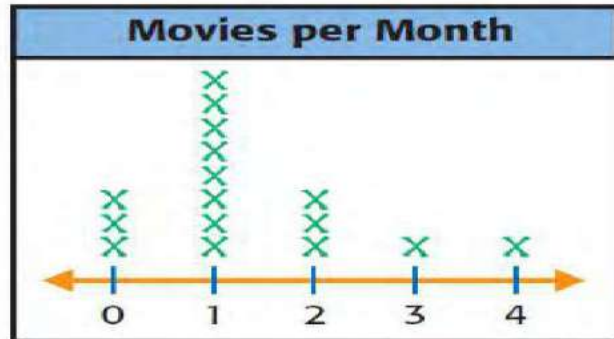


These 3 Xs represent the 3 friends that said 2 movies per months

Read a Line Plot

MOVIES Use Antoine's line plot to find how often most students went to the movies.

The most Xs are above number 1. Antoine can see that most of his friends went to the movies 1 time per month.



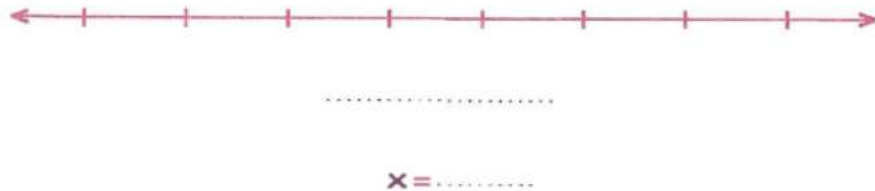
1- Create a line plot using apples in basket date, Be sure to give your line plot a title and key:



- The lowest value:
- The largest value:
- The number of times each number is repeated

Number of apples	15	16	17	18	20	22
Frequency	3	4	4	2	4	2

- The line plot:



2- The following data shows the weights of 20 children (in Kilograms). Create a line plot using these data.

68 , 65 , 63 , 63 , 62 , 64 , 65 , 61 , 65 , 61
64 , 61 , 64 , 66 , 64 , 62 , 61 , 62 , 68 , 65

- The lowest value:
- The largest value:
- The number of times each number is repeated

The weight								
Frequency								

-

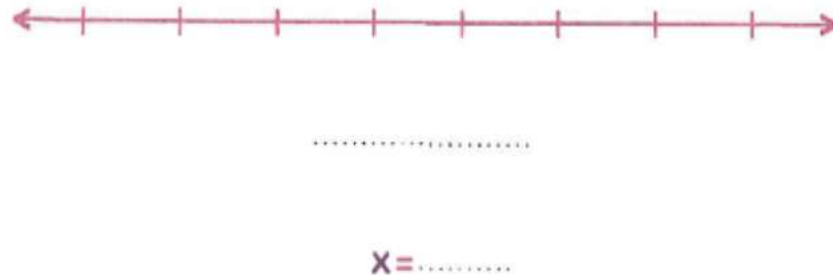
$$X = \begin{pmatrix} x_1 & x_2 & x_3 & x_4 & x_5 \end{pmatrix}$$

18 , 12 , 13 , 16 , 17 , 17 , 13 , 17
16 , 14 , 11 , 18 , 14 , 19 , 11 , 17
21 , 21 , 22 , 18 , 11 , 16 , 15 , 14

- The lowest value:
- The largest value:
- The number of times each number is repeated

[illegible]

- The line plot:



4-Create a line plot using eggs in basket date, Be sure to give your line plot a title and key:



- The lowest value:
- The largest value:
- The number of times each number is repeated

Number of eggs	20	21	22	23	25	27	28	29	30
Frequency									

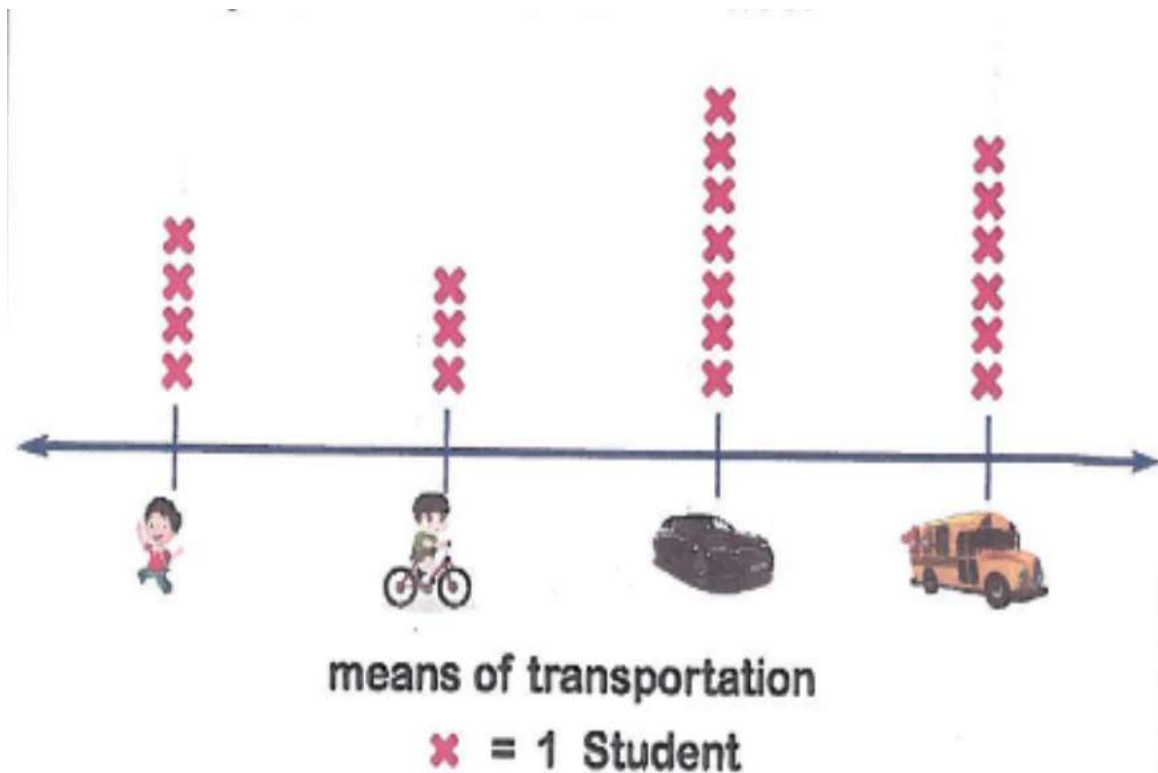
- The line plot:



.....

X =

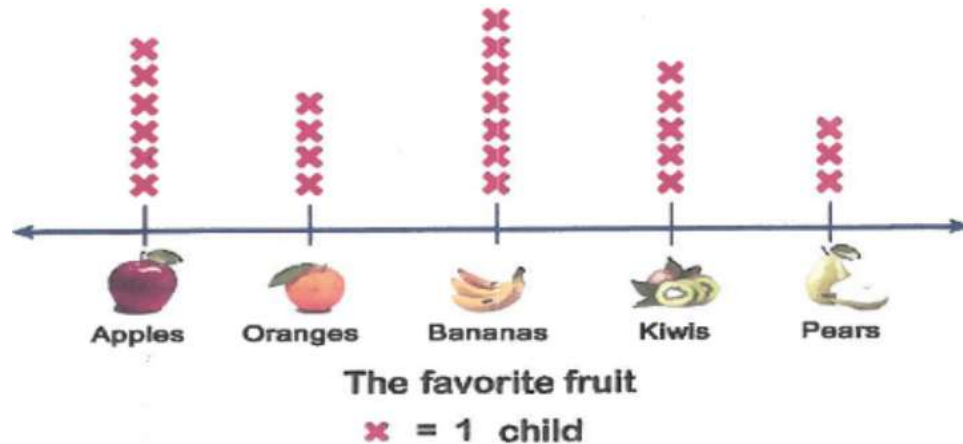
5-The following line plot represents the methods used by 20 students to reach school:



Answer the questions:

- How many students go to school by bus?
- How many students go to school by car?
- How many students go to school by bicycle?
- How many students go to school by foot?
- What is the most popular means of transportation for students?
- How many more students go by bus to school than a bicycle?
.....

6-The following line plot shows the favorite fruit types for 25 children:



Complete the following table:

Favorite Fruit	 Apples	 Oranges	 Bananas	 Kiwis	 Pears
Number of children					

Answer the questions:

- How many children liked oranges?
- How many more children liked apples than pears?
.....
- How many children all together liked kiwis, apples and bananas?
- Which fruit is liked the most?
- Which fruit is liked the least?

MEASURING LENGTH

-Centimeter (cm): Used to measure the short lengths.

Example: the length of a pen is 15 cm.

-Meter (m): Used to measure the long lengths.

Example: the width of the road about 20m.

The height of the building about 40m.

-Millimeters: Used to measure the very small lengths.

Example: the thickness of nail is 3mm.



Note:

1cm = 10mm


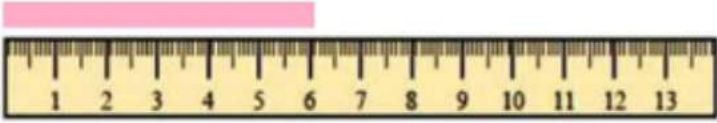
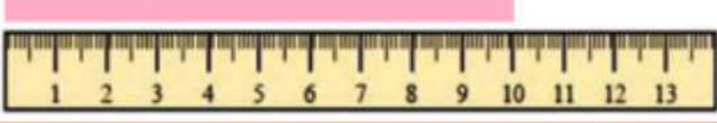
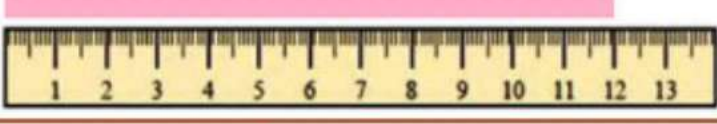
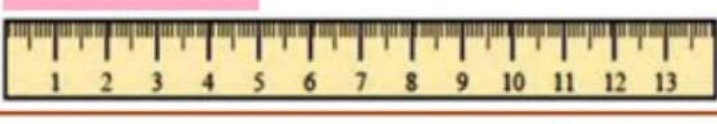


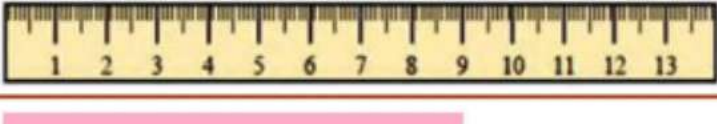


1m = 100cm

1m = 1000mm






1-Choose the estimated length:

- The width of the road is (2cm, 15m, 20cm).
- The length of book is (20m, 25cm, 6m).
- The length of my father car is (40cm, 9m, 50cm)
- The length of pen is (25cm, 50m, 43m)



1-Complete the table:

No.	Bars	length
(1)		..... cm
(2)		..... cm
(3)		..... cm
(4)		..... cm
(5)		..... cm
(6)		..... cm
(7)		..... cm
(8)		..... cm
(9)		..... cm
(10)		..... cm

3-Look at the images below, and then complete the table:

IMAGES	METERS OR CENTIMETERS?
	
	
	
	
	
	

4-Choose the best answer:

<p>(1) Ferris Wheel</p>  <p>a. 30 centimeters b. 5 meters c. 20 meters</p>	<p>(2) Screw</p>  <p>a. 20 centimeters b. 1 meter c. 3 centimeters</p>	<p>(3) Building</p>  <p>a. 300 centimeters b. 3 meters c. 30 meters</p>
<p>(4) Flash Memory</p>  <p>a. 6 centimeters b. 30 centimeters c. 20 centimeters</p>	<p>(5) Horse</p>  <p>a. 90 centimeters b. 2 meters c. 30 centimeters</p>	<p>(6) Key</p>  <p>a. 15 centimeters b. 5 centimeters c. 1 meter</p>
<p>(7) Notebook</p>  <p>a. 15 centimeters b. 5 meters c. 25 centimeters</p>	<p>(8) Recliner</p>  <p>a. 30 centimeters b. 1 meter c. 50 centimeters</p>	<p>(9) Can of Beans</p>  <p>a. 120 centimeters b. 3 meters c. 10 centimeters</p>

5-Complete:

- 4m =cm
- 5m =cm
- 7m =cm
- 7m =cm
- Half of meter =cm
- 300cm=.....m
- 400cm=.....m
- 500cm=.....m
- 900cm=.....m
- 4cm=.....mm
- 9cm=.....mm
- 2cm=.....mm
- 20mm=.....cm
- 90mm=....cm
- 50mm=....cm
- 70mm=....cm

6-Choose the best answer:

- The thickness of a nail measure with(mm-cm-m)
- The length of the book measure with(mm-cm-m)
- The length of the ant measure with(mm-cm-m)
- The length of my grandfather's stick measure with(mm-cm-m)

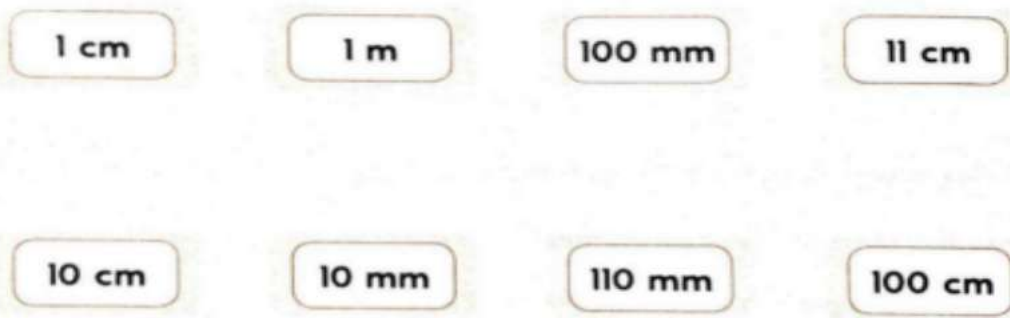
7-Complete the following:

- $100\text{cm} + 100\text{cm} = 200\text{cm} = 2\text{m}$.
- $200\text{cm} + 300\text{cm} = \dots\text{cm} = \dots\text{m}$
- $500\text{cm} + 200\text{cm} = \dots\text{cm} = \dots\text{m}$
- $400\text{cm} + 100\text{cm} = \dots\text{cm} = \dots\text{m}$
- $20\text{mm} + 30\text{mm} = \dots\text{mm} = \dots\text{cm}$
- $20\text{mm} + 40\text{mm} = \dots\text{mm} = \dots\text{cm}$
- $40\text{mm} + 30\text{mm} = \dots\text{mm} = \dots\text{cm}$
- $5\text{m} + \dots = 8\text{m}$
- $200\text{cm} + \dots\text{cm} = 500\text{cm}$
- $20\text{mm} + \dots\text{mm} = 60\text{mm}$
- $50\text{mm} + \dots\text{mm} = 80\text{mm}$
- $200\text{cm} - 100\text{cm} = \dots\text{cm} = \dots\text{m}$
- $300\text{cm} - 150\text{cm} = \dots\text{cm} = \dots\text{m}$
- $400\text{cm} - 200\text{cm} = \dots\text{cm} = \dots\text{m}$
- $50\text{mm} - 20\text{mm} = \dots\text{mm} = \dots\text{cm}$
- $70\text{mm} - 30\text{mm} = \dots\text{mm} = \dots\text{cm}$

8-Put > or < or =:

- $500\text{cm} \dots 3\text{m}$
- $40\text{mm} \dots 4\text{cm}$
- $550\text{cm} \dots 1\text{Meter and Half}$
- $2\text{m and } 100\text{cm} \dots 200\text{cm}$

9-Mach:



10-Arrange the following:




- 14mm,20mm,17m,8cm,35mm

Ascending:,.....,.....,.....,.....

- 30mm,10m,5m,8cm,300cm

Descending:,.....,.....,.....,.....

11-Estimate the length then complete:

Find the real object.	Measure.
<p>chair</p> 	<p>_____ centimeters</p> <p>_____ meters</p>
<p>teacher's desk</p> 	<p>_____ centimeters</p> <p>_____ meters</p>
<p>wall</p> 	<p>_____ centimeters</p> <p>_____ meters</p>

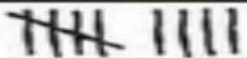



Sheet 1

1-Complete the same pattern:

- 10, 15, 20 ,.....,.....,.....
- 0, 20 ,40,.....,.....,.....
- 222, 224, 226,..... ,.... ,....
- 100,90,80,.....,.....,.....



2-Answer from picture graphs:

Favorite Place to Read a Book	
Place	Students
Bed	
Outside	
School	
Library	

- How many students like reading a book on library?
- How many more students like reading on school than outside?
- What is the total number of students?

3-Choose the correct answer:



(60 cm – 60 mm)



(9 cm – 9 m)



(12 mm – 12 cm)



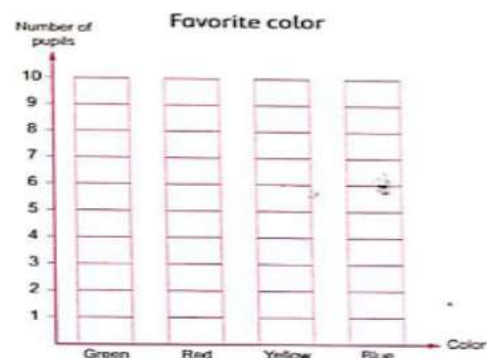
(7 m – 7 cm)

4-Complete:

- 6cm =mm
- 8m =cm
- 50mm =cm
- 900cm =m
- 11cm =mm
- 10m + 20m =m
- 200cm + 400cm =cm
- 20mm + 30mm =mm

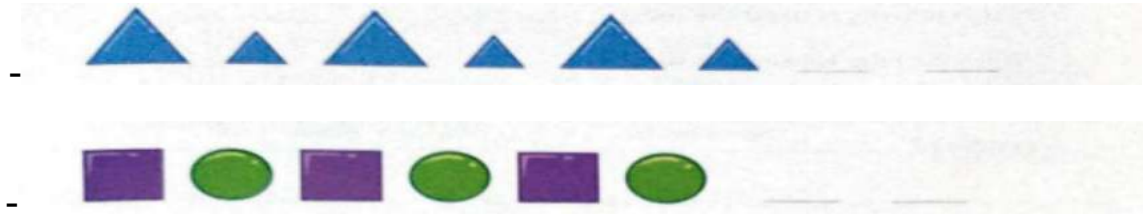
5-Complete the graph:

Favorite color		
Color	Tally	Number
Green	||||	_____
Red	|||| ||||	_____
Yellow	||||	_____
Blue	|||| ||	_____



Sheet 2

1-Complete the same pattern:



- 10, 25 , 40,.....,.....,.....
- 120,220, 320,.....,.....,.....
- 550,500,450,.....,.....,.....
- 930,830,730,.....,.....,.....

2- A car of (4m and 40cm). What its length in cm?



- The length =+.....=.....cm

3- Use the table to draw a line plots:

Marks of students in an exam	
Marks	Number of students
15	3
16	1
17	4
18	6
19	4
20	2

- The line plot:



.....

X =

4-Complete:

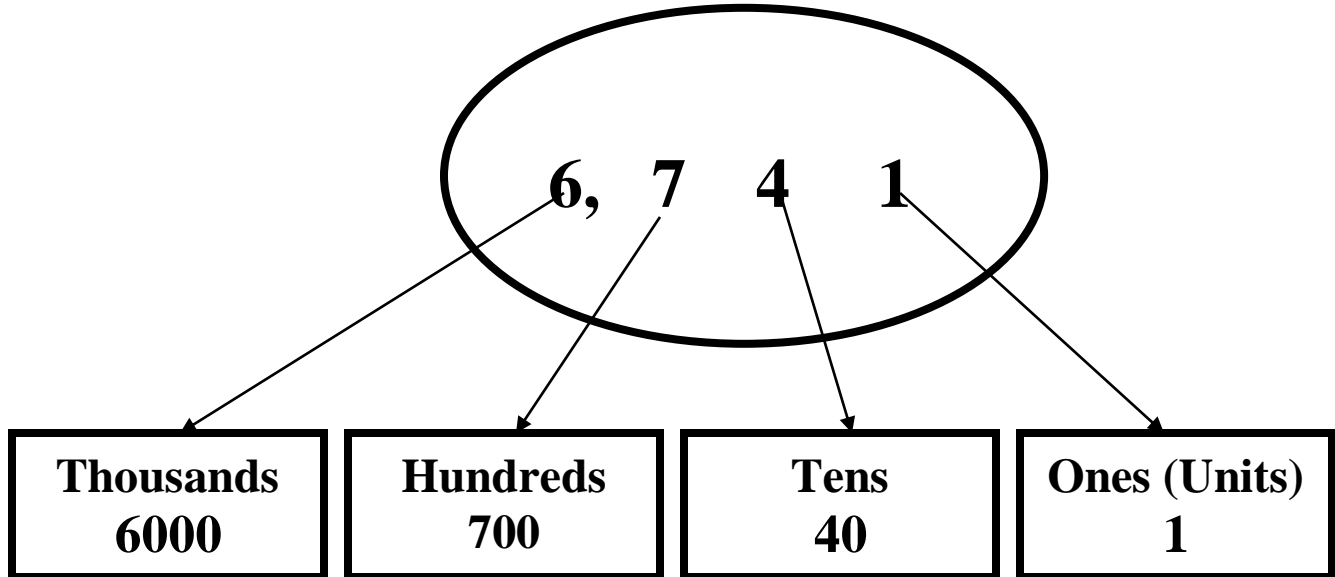
- 9cm =mm
- 5m =cm
- 60mm =cm
- 600cm =m
- 33cm =mm
- 100m + 250m =m
- 250cm + 450cm =m

5-Circle the better estimation:

<p>1. </p> <p>15 cm long 50 cm long</p>	<p>2. </p> <p>1 m tall 10 m tall</p>
<p>3. </p> <p>3 cm long 3 m long</p>	<p>4. </p> <p>10 m tall 10 cm tall</p>

CHAPTER 2

Thousands



- Standard Form : 6741
- Expanded Form: $6000+700+40+1$
- Word Form: Six Thousands, seven hundreds and forty _one

1 -Write in standard form:

- $3000 + 400 + 50 + 7 = \dots\dots\dots$
- $1 + 20 + 300 + 8000 = \dots\dots\dots$
- $9 + 300 + 40000 = \dots\dots\dots$
- $20 + 3000 + 100 = \dots\dots\dots$
- $500 + 8000 = \dots\dots\dots$

2-Write in expanded form:

-9 thousands ,8 hundreds ,2 tens ,3 ones =

.....+.....+.....+.....=.....

-3 thousands , 23 ones

.....+.....+.....=.....

-2 hundreds, 3 thousands, 2 tens

.....+.....+.....=.....

3- Complete:

- 2753 =+ 700 + 50 + 3

- 4925 = 4000+ 900 +.....+.....

- 5874 =+.....+.....+.....

- 3781 =.....+ 700 + 80 +.....

- 4,506 = + 500 +

-= 4000+200+10+1

4-Write the correct digit in the number according to its place:

- Tens -3434

- Thousands - 5870

- Hundreds - 3411

- Units - 5697

- Thousands - 8204

- Ones - 569

5-Write the value and the place value:

Number	Value	The place value
2 <u>5</u> 38		
21 <u>0</u> 3		
<u>5</u> 962		
14 <u>5</u> 9		
<u>3</u> 859		
112 <u>1</u>		
4 <u>6</u> 76		
<u>3</u> 887		
2 <u>4</u> 51		

6-Complete:

- 3000 = Tens
- 20 hundreds =thousands
- 50 tens =hundreds
- 3 thousands =..... tens
- 5 thousands =..... tens
- 70 tens=..... hundreds

Tens ----- 0

Hundreds-----00

Thousands-----000

7 - Write the greatest and the least 4-digit number:

- (4, 5, 6,1) greatest is, least is.....
 - (3,5,8,3) greatest is, least is.....
 - (3,0,8,5) greatest is, least is.....
 - (4,4,7,9) greatest is, least is.....
-

8-Put >, <or=:

- 5432 359
 - 8651 1+50+200+700
 - 711 7110
 - 4519 4530
 - 2349 2617
-

9-Arrange numbers in Ascending order:

- 1285 , 9000 , 3401 , 4398 , 2390
The order is
- 3850 , 2666 , 9876 , 4600 , 4678
The order is
- 1702 ,1564, 3995 ,1000 ,4567
The order is
- 6356 ,6595 ,6124 ,6789 , 6945
The order is

- 1980 , 1678 , 1492 , 1568 , 1240

The order is

- 9040 , 4909 , 5676 , 4987 , 2436

The order is

10-Arrange numbers in Descending order:

- 5300 , 1050 , 9541 , 940 , 4537

The order is

- 5441, 6204 , 2917 , 7777, 4290

The order is

- 5441 , 708 , 3009 , 3010 , 320

The order is

- 6578 , 1245 , 3890 , 9993 , 2390

The order is

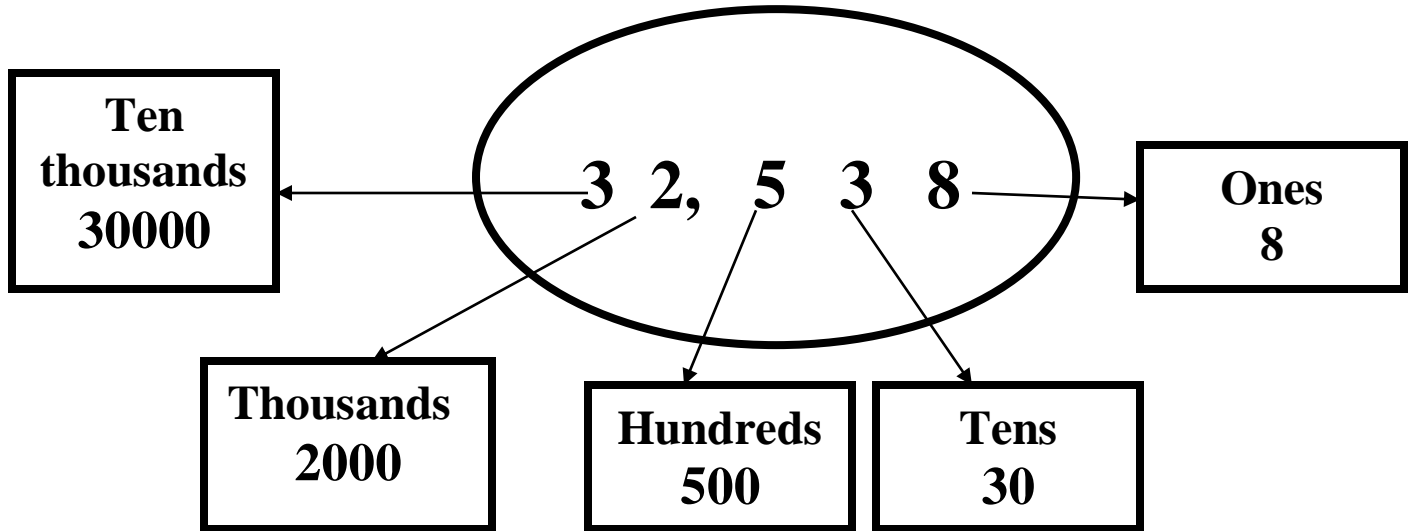
- 9090 , 4904 , 5678 , 1245 , 5487

The order is

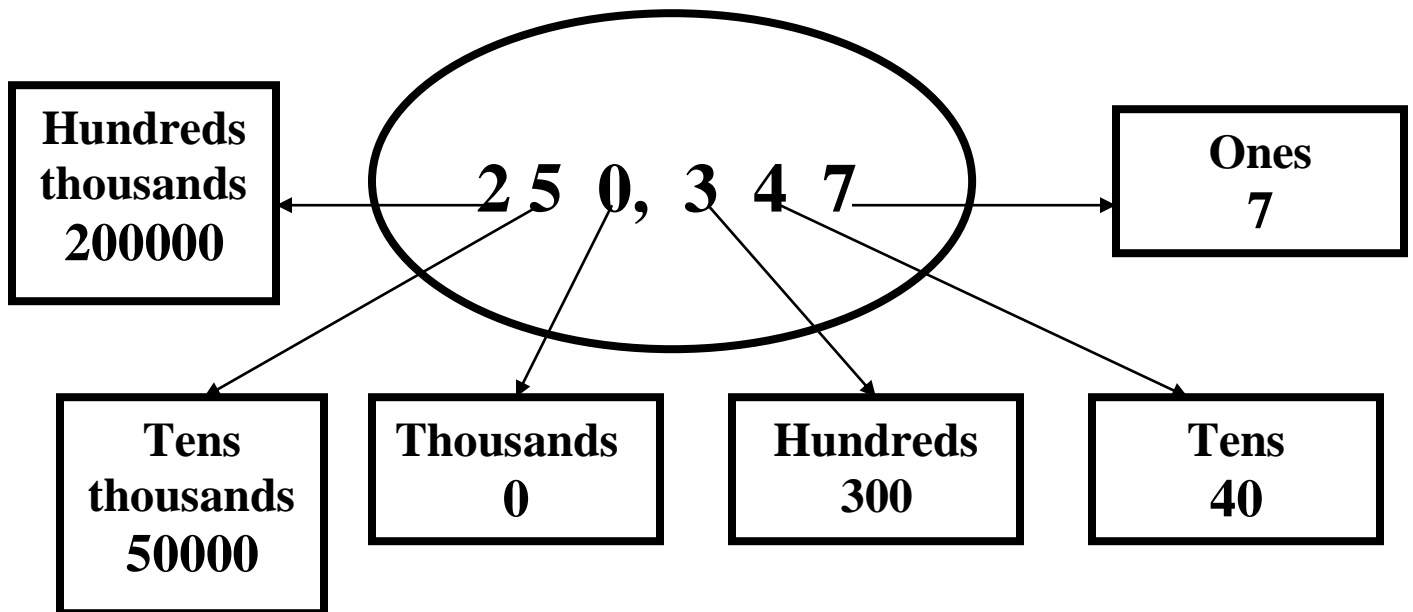
- 7890 , 1789 , 9800 , 560 , 6667

The order is

Ten Thousands and Hundred Thousands



- Standard Form : 32538
- Expanded Form: $30000+2000+500+30+8$
- Word Form: Thirty two Thousands, Five hundreds and Thirty _ eight.



- Standard Form : 250,347
- Expanded Form: $200,000 + 50,000 + 300 + 40 + 7$
- Word Form: Two hundreds and Fifty thousands ,Three hundreds Forty-seven.

1-Complete:

- $30,000 + 9000 + 400 + 70 + 9 = \dots\dots\dots$
- $95,683 = \dots\dots\dots + 5000 + 600 + 80 + 3$
- $102,637 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- $52,153 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- $789,000 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- $145,009 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- $1 + 20 + 7,000 + 500,000 = \dots\dots\dots$
- $90 + 700 + 30,000 = \dots\dots\dots$
- $360,001 = \dots\dots + \dots\dots + \dots\dots$
- $8 + 20 + 900 + 300,000 = \dots\dots\dots$

2-Write in Letters (words):

- 670,341:.....
- 53,211:.....
- 84,000:.....
- 321,690:.....

3-Write the following in standard form:

- Six hundreds ninety thousands , three hundreds five
- Three hundreds eight thousands , forty four
- Eleven thousands , five hundreds ten.....
- Seventy one thousands , four hundreds eleven.....
- One hundreds thirty two, nine hundreds twenty.....

4-Circle the correct digit in the number according to its place:

- Ten thousands -38540
- Hundreds -12359
- Hundreds thousand - 358671
- Ones -485903
- Thousand -569009

5-Complete:

Numbers	Value	Place value
15 <u>3</u> 290		
3 <u>2</u> 4551		
<u>7</u> 23100		
1 <u>9</u> 3778		
381 <u>0</u> 00		
6 <u>7</u> 6144		
<u>7</u> 20016		
45 <u>3</u> 511		

6- Write the number in order from least to greatest:

- 11,493 _ 132,567 _ 9,372 _ 98,505

The order is

- 125,762 _ 27,652 _ 152,567 _ 27,256

The order is

- 833,322 _ 833,400 _ 8,339 _ 83,987 _ 83,916

The order is

- 123,656 _ 123,675 _ 123,450 _ 123, 326 _ 123,999

The order is

7- Write the number in order from greatest to least :

- 103,002 _ 3,201 _ 23,001 _ 21,300

The order is

- 11,112 _ 101,556 _ 59,002 _ 21,052

The order is

- 833,322 _ 833,400 _ 8,339 _ 83,916

The order is

- 123,656 _ 123,450 _ 123, 326 _ 123,999

The order is

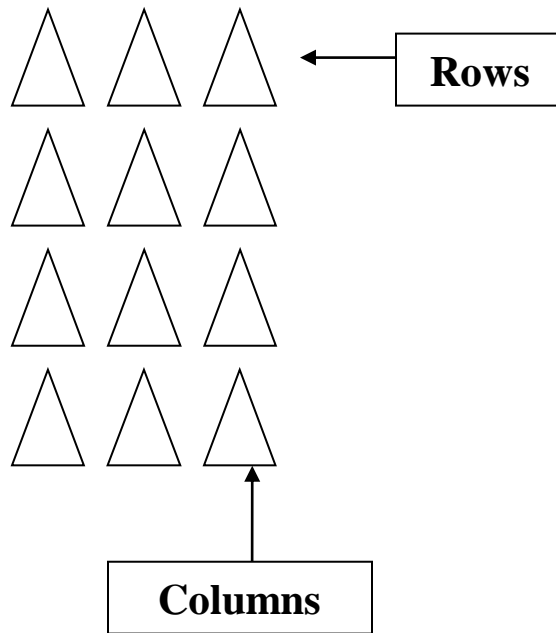
8-Put >, <or=:

- 48,047 322,467
 - 301,947 45,678
 - 275,006 200,000+70,000+5,000+6
 - 99,999 One hundred thousand
 - 23,490 33, 435
-

9-Complete:

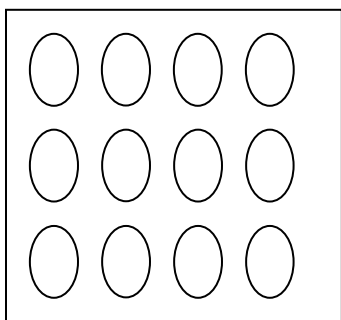
- The greatest number 4 digit is
- The smallest number 4 digit is.....
- The greatest number 5 digit is
- The smallest number 5 digit is.....
- The greatest number 6 digit is.....
- The smallest number 6 digit is
- The small number format from (3,4,5,6,7 ,0) is.....
- The great number format from (5,7,8,9,4,2) is.....
- The small number format from (2,0,3,0,8,9) is.....
- The great number format from (5,6,7,8,2,1) is.....
- The small number format from (4,3,8,2,8,0) is.....

Arrays



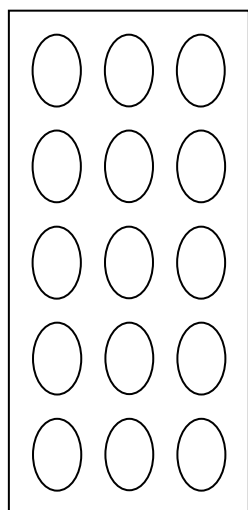
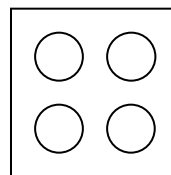
- Number of rows: 3
- Number of columns: 4
- You can write:
4 rows of 3 or 3 columns of 4

1- Match:



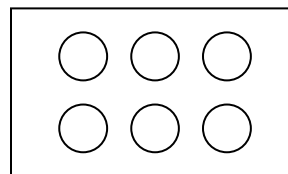
2 row of 2

2 row of 3



3 columns of 5

4 columns of 3



2- Create on array:

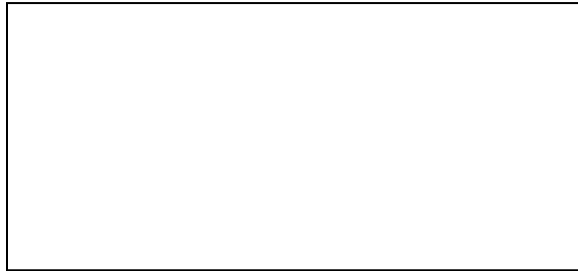
- 4 rows of 2



- 1 rows of 6



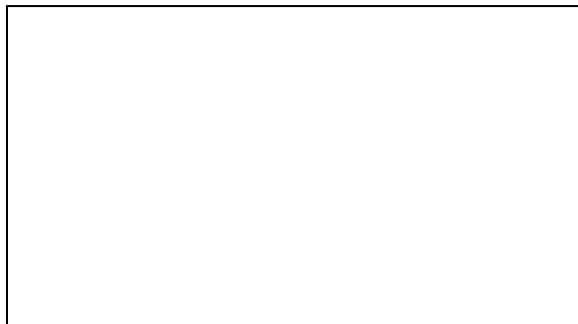
- 2 rows of 3



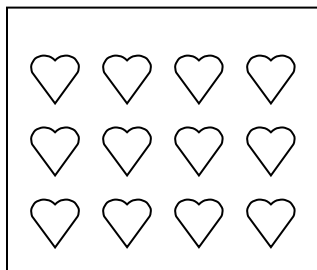
- 7 columns of 2



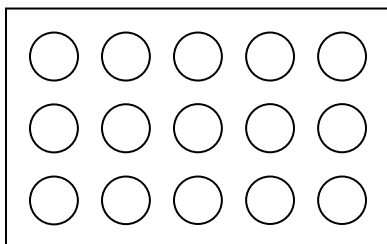
- 3 columns of 4



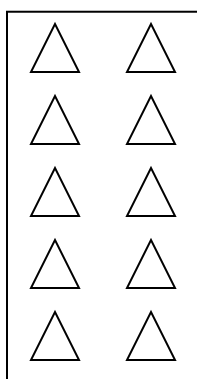
3 –Complete the following:



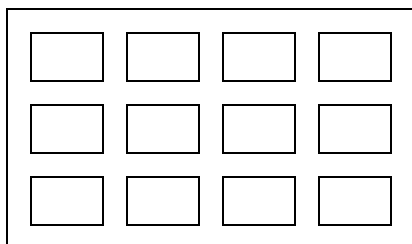
..... Row of



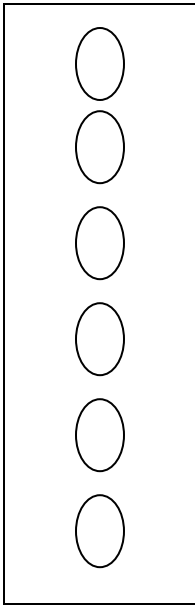
..... Row of



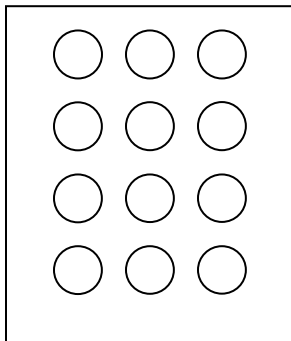
..... Columns of



..... Columns of

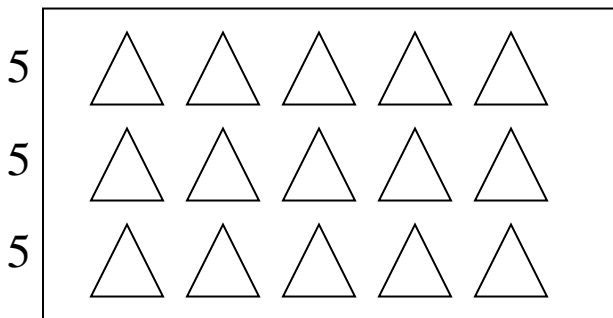


..... Rows of



..... Rows of

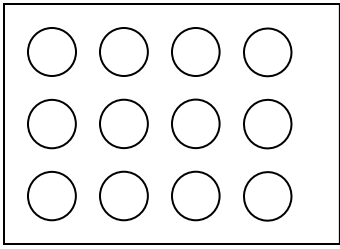
4 – Find the total items of each array using skip repeated:



Number of rows = 3

Number of triangle = 5

Total numbers = $5+5+5=15$

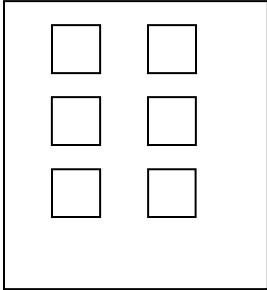


Number of rows =

Number of circle=

Total numbers =

-



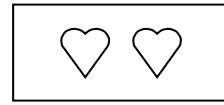
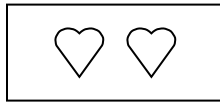
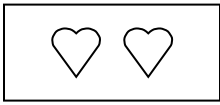
Number of rows =

Number of square=

Total numbers =

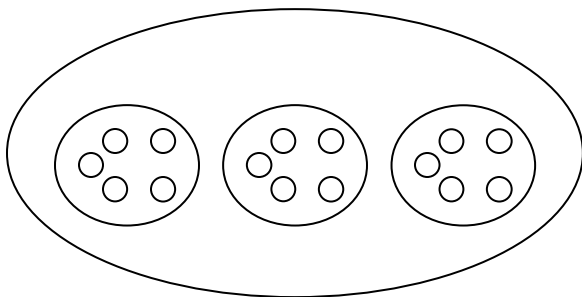
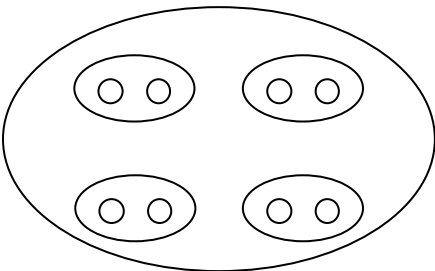
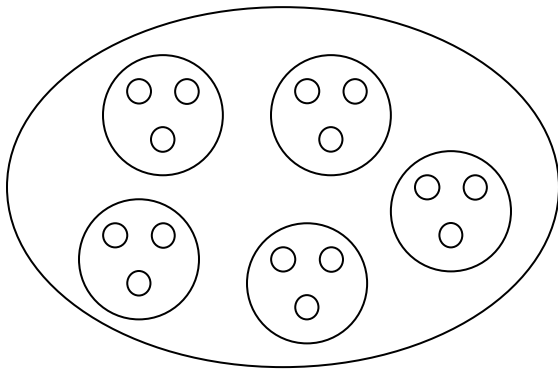
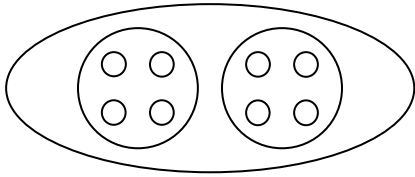
-

Multiplication



- 3 equal groups of 2 = $3 \times 2 = 6$

1-Match

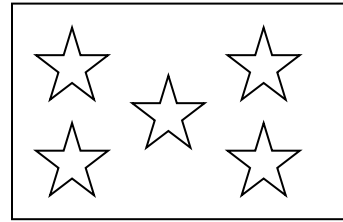
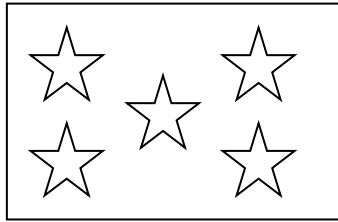
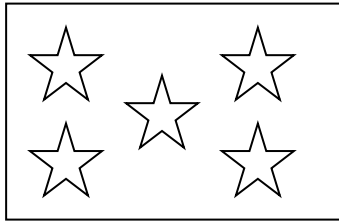


4 groups of 2

3 groups of 5

5 groups of 3

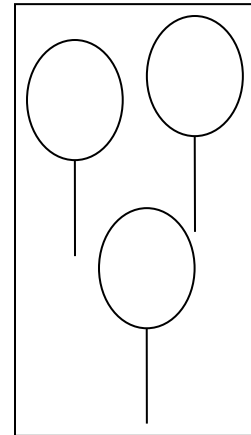
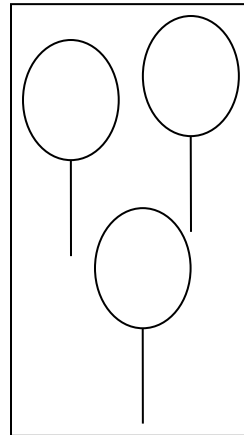
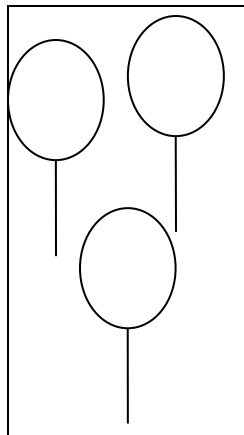
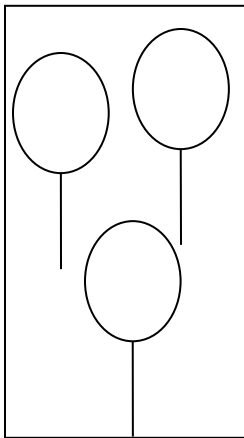
2 groups of 4



-Repeated addition = $5+5+5=15$

- Multiplication = $5 \times 3=15$

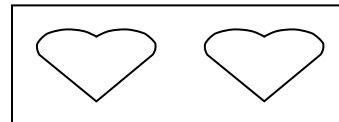
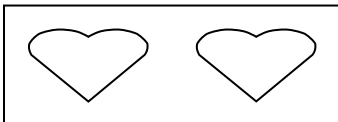
2 –Complete:



- 4 groups of

- $3+3+3+3=.....$

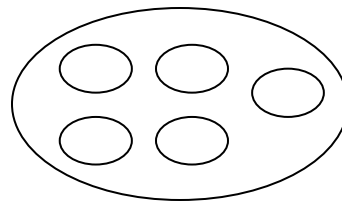
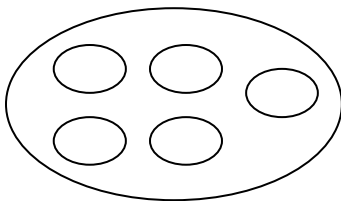
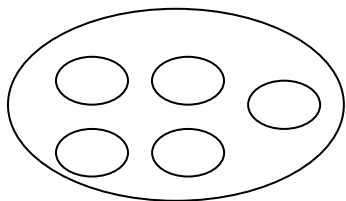
- $4 \times=.....$



- 2 groups of

- $2+2=.....$

- $2 \times=.....$



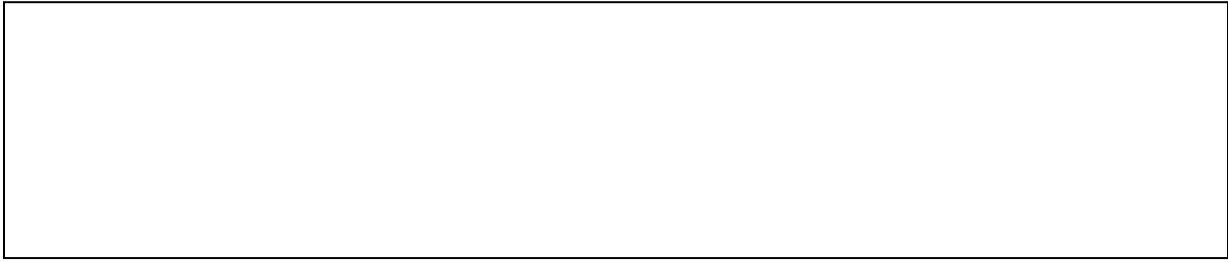
- groups of
- $5 + + =$
- $5 \times =$

3 – Draw to model groups, then write an addition sentence of multiplication sentence for each:

- 2 groups of 4

- 3 groups of 3

- 2 groups of 3



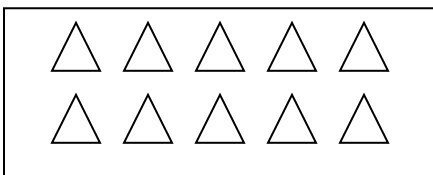
- 5 groups of 4



- 4 groups of 5

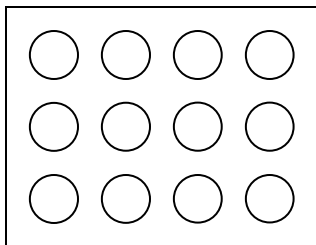


4- Complete:



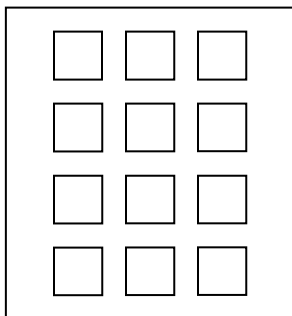
2 Rows of

.....X.....=.....



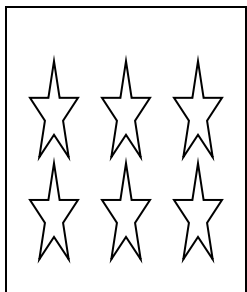
3 Rows of

.....X.....=.....



4 Rows of

.....X.....=.....



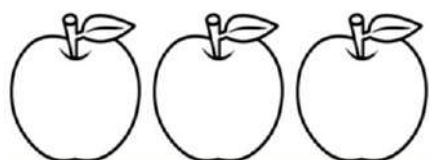
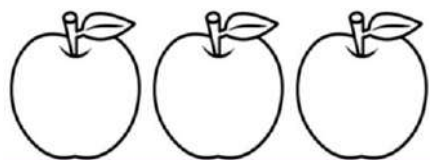
..... Rows of

.....X.....=.....

5 –Complete:

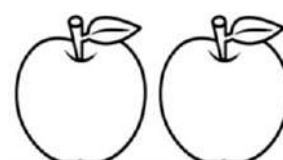
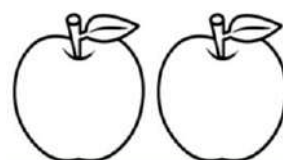
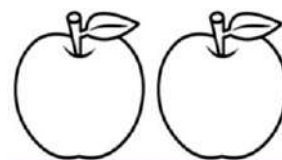
- $7+7 = 7 \times \dots = \dots$
- $3+3+3+3 = \dots \times 3 = \dots$
- $5+5 = \dots \times 5 = \dots$
- $5 \times 1 = \dots + \dots + \dots + \dots + \dots = \dots$
- $\dots \times 6 = 6+6+6 = \dots$
- $3 \times 4 = \dots$
- $2 \times 9 = \dots$
- $3 \times 11 = \dots$
- $2 \times 10 = \dots$
- $11 \times 2 = \dots$
- $4 \times 3 = \dots$
- $2 \times 6 = \dots$
- $7 \times 2 = \dots$
- $11 \times 4 = \dots$
- $5 \times 6 = \dots$
- $5 \times 7 = \dots$
- $4 \times 2 = \dots$
- $3 \times 10 = \dots$
- $4 \times 10 = \dots$

Multiplication in any order



Add: $3+3=6$

Multiply: $3 \times 2=6$

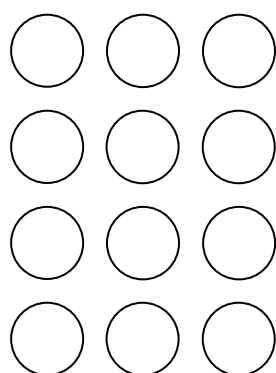


Add: $2+2+2=6$

Multiply: $2 \times 3=6$

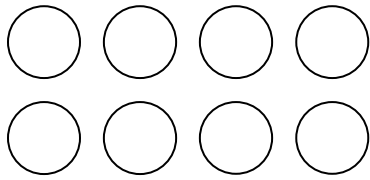
So, $2 \times 3 = 3 \times 2$

6 –Complete:



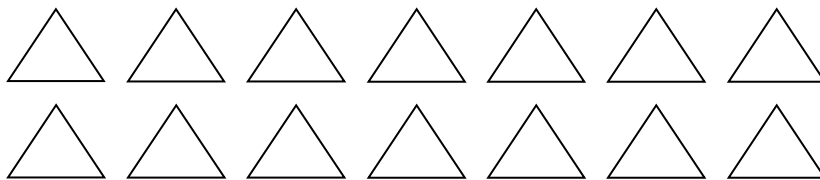
.....rows of

.....x.....=.....



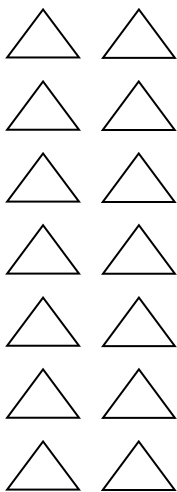
-

<p>.....rows of</p> <p>.....x.....=.....</p>
--



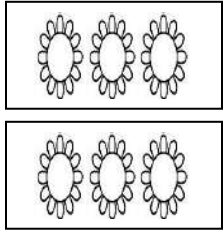
-

<p>.....rows of</p> <p>.....x.....=.....</p>
--



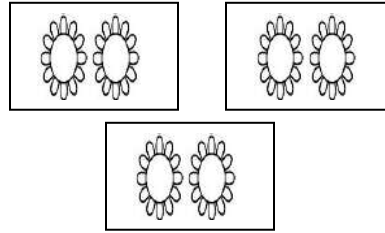
-

<p>.....rows of</p> <p>.....x.....=.....</p>
--



.....groups of

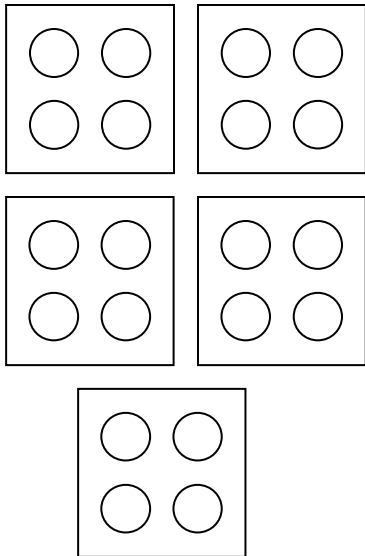
.....X.....=.....



.....groups of

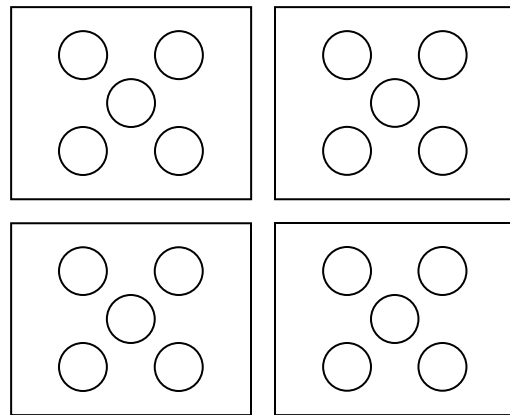
.....X.....=.....

So, X =..... X



.....groups of

.....X.....=.....



.....groups of

.....X.....=.....

So, X =..... X

Model 1

1-Circle the value:

- 2349 (200-2000-20000)
- 13873 (700 - 7 - 70)
- 53990 (100 - 0 - 10)
- 52377 (50000-5000 -50)

2-Complete:

- 2541=.....+.....+.....+.....
-=9+70+1000+20000
- 6000+800+50+3=.....

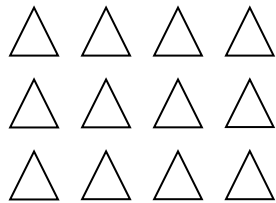
3-Write in letters:

- 2530:.....
- 14500:.....
- 8000:.....

4- Arrange in descending order:

- 12587 , 2051 , 83000 ,10000
.....,.....,.....,.....
- 6954 , 499145, 7785, 985
.....,.....,.....,.....

5- Complete:



-.....rows of

- X.....=.....

6- Put > ,< or =:

- 3467 4300

- 8711 90000

-24209 87511

Model 2

1-Complete:

- $28,107 = \dots + \dots + \dots + \dots$

- $7,087 = \dots + \dots + \dots$

- $6000 + 90 + 5 = \dots$

- $3 + 900 + 7000 = \dots$

2-Write the following number in standard form:

- Three hundreds twenty-five thousand, seven hundreds and eighty-four.....

- Two thousand, four hundreds and five

- Nine hundreds thousand

3-Write the place value:

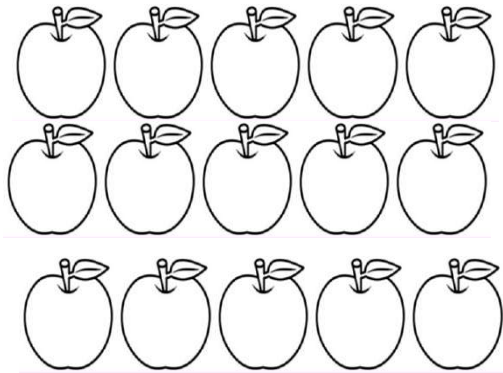
- 38514

- 56679

- 15438

- 90000

4-Complete:



..... Rows of

..... X.....=.....

5- Arrange in Ascending order:

- 5328, 214, 3000, 1543

.....,.....,.....,.....

- 16960, 2438, 9001, 54310

.....,.....,.....,.....

Chapter 3

Adding and Subtracting large number

➤ Find the sum (Answer the following) :-

$$\begin{array}{r} 656 \\ + 320 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 4,336 \\ + 2,300 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 6,215 \\ + 2,672 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 1,562 \\ + 2,128 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 5,391 \\ + 8,468 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 3,005 \\ + 3,777 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 23,142 \\ + 30,128 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 42,132 \\ + 12,491 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 4,658 \\ + 563 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 42,138 \\ + 36,512 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 2,075 \\ + 65 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 3,789 \\ + 4,345 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 25,134 \\ + 40,122 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 34,569 \\ + 30,405 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 45,203 \\ + 23,303 \\ \hline \end{array}$$

.....

➤ **Addition word problems:**

1) Youssef has 237 blocks , Maged has 148 blocks.

How many blocks do they have all together?

.....

2) Amr saved 1,365 pounds in one year, the next year he saved 2,405 pounds.

What is the total amount he saved?

.....

3) The school arranged a trip to pyramids, 1,355 students from primary stage and 1,420 from preparatory and secondary stages are going.

How many students are going in all stages?

.....

4) A travel company has two buses. There are 365 tourists in first bus and 5,129 in second bus .

How many Tourists are there in two buses?

.....

➤ **Find Answer the following:**

$$\begin{array}{r} 651 \\ - 320 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 735 \\ - 206 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 1,330 \\ - 1,270 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 2,631 \\ - 2,592 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 42,361 \\ - 21,720 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 39,216 \\ - 12,902 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 76,452 \\ - 31,521 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 39,418 \\ - 20,609 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 1,276 \\ - 988 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 45,263 \\ - 20,765 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 21,615 \\ - 930 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 8,926 \\ - 7,698 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 67,240 \\ - 23,981 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 49,613 \\ - 32,928 \\ \hline \end{array}$$

.....

➤ **Subtraction word problems:**

1) The school library had 3,640 books for rent during one week
1,280 books of them was rented.

How many books were left?

.....

2) There are 365 days in one year. If 147 days have passed since
the beginning of the year.

How many days are left in the year?

.....

3) Sami has 6,000 L.E to spend . He bought a new mobile for
3,250L.E

How much money does have left with him?

.....

4) In one governorate some students decided to plant 1,265 trees in
their village to improve the environment, if started by planting 247
trees . **How many trees are left?**

.....

Multiplication Story problems

- Selen bought 2 packs of ping pong balls , each pack has 6 balls.
How many balls are there ?



- **The number of balls** = = Balls

- There are 4 apples in a box . How many apples
in 2 boxes ?



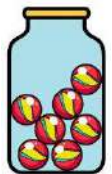
- **The number of apples** = = Apples

- A guitar has 6 strings. How many strings are
there in 2 guitars ?



- **The number of strings** = = Strings

- A jar of marbles holds 7 marbles . How many marbles are
there in 3 jars ?



- **The number of marbles** = = Marbles

- Asser has 2 packets of sweet each with 6 pieces of sweets in. How many pieces of sweets Asser has ?



- **Asser has** = = Pieces

- Malek runs 3 hours every day, What is the number of running hours in 9 days ?



- **The number of balls** = = hours

- Mohammed saw 8 dogs in a garden .
How many legs do the 5 dogs have ?



- **The number of legs** = = legs

- There are 4 girls , each girl has 3 balloons .
How many balloons do they have together ?



- **They have** = = Balloons

Multiples of 2 , 3 and 4

Note that

$$\begin{array}{ccccc} 5 & \times & 2 & = & 10 \\ \swarrow & & \downarrow & & \searrow \\ \text{Factor} & & \text{Factor} & & \text{Product} \end{array}$$

Multiples of 2

$$2 \times 1 = 2$$

$$2 \times 2 = 4$$

$$2 \times 3 = 6$$

$$2 \times 4 = 8$$

$$2 \times 5 = 10$$

$$2 \times 6 = 12$$

$$2 \times 7 = 14$$

$$2 \times 8 = 16$$

$$2 \times 9 = 18$$

$$2 \times 10 = 20$$

$$2 \times 11 = 22$$

$$2 \times 12 = 24$$

Each of 2 , 4 , 6 ,
8 , 10 , 12 , 14 , 16
, 18 , 20 , 22 , 24
is a **multiple of 2**

➤ **Find the following products :-**

$2 \times 5 = \dots\dots\dots$	$2 \times 2 = \dots\dots\dots$
$2 \times 1 = \dots\dots\dots$	$4 \times 2 = \dots\dots\dots$
$11 \times 2 = \dots\dots\dots$	$9 \times 2 = \dots\dots\dots$
$6 \times 2 = \dots\dots\dots$	$8 \times 2 = \dots\dots\dots$

➤ **Circle the correct answer (the first one is an example) :-**

a) 12 is a multiple of 2 ($2 \times 6 = 12$)

☒ Yes

☐ No

b) 15 is a multiple of 2

☐ Yes

☐ No

c) 24 is a multiple of 2

☐ Yes

☐ No

Note that

$$\begin{array}{ccccc} 7 & \times & 3 & = & 21 \\ \swarrow & & \downarrow & & \searrow \\ \text{Factor} & & \text{Factor} & & \text{Product} \end{array}$$

Multiples of 3

$$3 \times 1 = 3$$

$$3 \times 2 = 6$$

$$3 \times 3 = 9$$

$$3 \times 4 = 12$$

$$3 \times 5 = 15$$

$$3 \times 6 = 18$$

$$3 \times 7 = 21$$

$$3 \times 8 = 24$$

$$3 \times 9 = 27$$

$$3 \times 10 = 30$$

$$3 \times 11 = 33$$

$$3 \times 12 = 36$$

Each of 3 , 6 , 9 ,
12 , 15 , 18 , 21 , 24
, 27 , 30 , 33 , 36

is a **multiple of 3**

➤ **Find the product :-**

$3 \times 5 = \dots\dots\dots$

$6 \times 3 = \dots\dots\dots$

$3 \times 7 = \dots\dots\dots$

$12 \times 3 = \dots\dots\dots$

$9 \times 3 = \dots\dots\dots$

$2 \times 3 = \dots\dots\dots$

$10 \times 3 = \dots\dots\dots$

$0 \times 3 = \dots\dots\dots$

$2 \times 1 = \dots\dots\dots$

$3 \times 3 = \dots\dots\dots$

$3 \times 7 = \dots\dots\dots$

$6 \times 2 = \dots\dots\dots$

$8 \times 2 = \dots\dots\dots$

$6 \times 3 = \dots\dots\dots$

$5 \times 2 = \dots\dots\dots$

$4 \times 2 = \dots\dots\dots$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

.....

.....

.....

.....

➤ **Choose the correct answer :-**

a) $2 \times \dots\dots\dots = 10$ (10 , 3 , 5 , 8)

b) $\dots\dots\dots \times 2 = 18$ (16 , 7 , 9 , 8)

c) $\dots\dots\dots \times 3 = 30$ (6 , 10 , 5 , 8)

d) $2 \times \dots\dots\dots = 4 + 4 + 4$ (2 , 6 , 4 , 8)

e) $5 \times 3 = 3 \times \dots\dots\dots$ (5 , 2 , 3 , 6)

➤ **Join :-**

$2 \times 5 \quad \bullet$

$\bullet \quad 6 + 3$

$2 \times 3 \quad \bullet$

$\bullet \quad 3 \times 6$

$3 \times 3 \quad \bullet$

$\bullet \quad 6 \times 2$

$2 \times 9 \quad \bullet$

$\bullet \quad 5 + 5$

$4 \times 3 \quad \bullet$

$\bullet \quad 3 \times 2$

Note that

Common multiples of 2 and 3

6 , 12 , 18 , 24 , 30 , 36

➤ **Choose the correct answer :-**

a) is a common multiples of 2 and 3 (4 , 5 , 12 , 8)

b) is a multiples of 3 (4 , 10 , 12 , 8)

c) The common multiples of 2 and 3 = ... (5 , 6 , 15 , 10)

Multiples by 1

$1 \times \text{any number} = \text{the same number}$

Ex.

$5 \times 1 = 5$

$1 \times 7 = 7$

$8 \times 1 = 8$

Multiples by 0

$0 \times \text{any number} = 0$

Ex.

$5 \times 0 = 0$

$0 \times 7 = 0$

$8 \times 0 = 0$

➤ **Find the product :-**

$5 \times 0 = \dots\dots\dots$

$12 \times 0 = \dots\dots\dots$

$7 \times 1 = \dots\dots\dots$

$9 \times 1 = \dots\dots\dots$

$1 \times 6 = \dots\dots\dots$

$0 \times 10 = \dots\dots\dots$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 11 \\ \times 0 \\ \hline \end{array}$$

.....

Note that

$$\begin{array}{ccccc} & 4 & \times & 8 & = & 32 \\ & \swarrow & & \downarrow & & \searrow \\ \text{Factor} & & & \text{Factor} & & \text{Product} \end{array}$$

Multiples of 4

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

$$4 \times 4 = 16$$

$$4 \times 5 = 20$$

$$4 \times 6 = 24$$

$$4 \times 7 = 28$$

$$4 \times 8 = 32$$

$$4 \times 9 = 36$$

$$4 \times 10 = 40$$

$$4 \times 11 = 44$$

$$4 \times 12 = 48$$

Each of 4 , 8 , 12 ,
16 , 20 , 24 , 28 , 32
, 36 , 40 , 44 , 48

is a **multiple of 4**

Note that

$$\begin{array}{ccccc} & 5 & \times & 3 & = & 15 \\ & \swarrow & & \downarrow & & \searrow \\ \text{Factor} & & & \text{Factor} & & \text{Product} \end{array}$$

Multiples of 5

$$5 \times 1 = 5$$

$$5 \times 2 = 10$$

$$5 \times 3 = 15$$

$$5 \times 4 = 20$$

$$5 \times 5 = 25$$

$$5 \times 6 = 30$$

$$5 \times 7 = 35$$

$$5 \times 8 = 40$$

$$5 \times 9 = 45$$

$$5 \times 10 = 50$$

$$5 \times 11 = 55$$

$$5 \times 12 = 60$$

Each of 5 , 10 , 15 ,
20 , 25 , 30 , 35 , 40
, 45 , 50 , 55 , 60

is a **multiple of 5**

➤ **Find the product :-**

$5 \times 6 = \dots\dots\dots$

$5 \times 10 = \dots\dots\dots$

$4 \times 8 = \dots\dots\dots$

$12 \times 5 = \dots\dots\dots$

$11 \times 4 = \dots\dots\dots$

$7 \times 5 = \dots\dots\dots$

$4 \times 9 = \dots\dots\dots$

$8 \times 4 = \dots\dots\dots$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 5 \\ \times 12 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 4 \\ \times 11 \\ \hline \end{array}$$

.....

➤ **Choose the correct answer :-**

a) 15 is a multiple of 5 (Yes , No)

b) 35 is a multiple of 5 (Yes , No)

c) 25 is a common multiple of 4 and 5 (Yes , No)

Note that

$$\begin{array}{ccc} 4 & \times & 10 = 40 \\ \swarrow & & \downarrow \quad \searrow \\ \text{Factor} & & \text{Factor} \quad \text{Product} \end{array}$$

Multiples of 10

$$10 \times 1 = 10$$

$$10 \times 2 = 20$$

$$10 \times 3 = 30$$

$$10 \times 4 = 40$$

$$10 \times 5 = 50$$

$$10 \times 6 = 60$$

$$10 \times 7 = 70$$

$$10 \times 8 = 80$$

$$10 \times 9 = 90$$

$$10 \times 10 = 100$$

$$10 \times 11 = 110$$

$$10 \times 12 = 120$$

Each of 10 , 20 , 30 ,
40 , 50 , 60 , 70 , 80
, 90 , 100 , 110 , 120

is a **multiple of 10**

➤ **Join :**

10×4

4×5

2×5

5×6

10×5

3×10

5×10

10×2

8×5

10×1

➤ **Find the product :-**

$5 \times 10 = \dots\dots\dots$

$6 \times 10 = \dots\dots\dots$

$3 \times 10 = \dots\dots\dots$

$12 \times 10 = \dots\dots\dots$

$10 \times 10 = \dots\dots\dots$

$11 \times 10 = \dots\dots\dots$

$2 \times 10 = \dots\dots\dots$

$8 \times 10 = \dots\dots\dots$

➤ **Put (> , < or =) :-**

$2 \times 8 \quad \square \quad 2 \times 8$

$4 + 5 \quad \square \quad 4 \times 5$

$5 \times 5 \quad \square \quad 4 \times 10$

$2 \times 7 \quad \square \quad 7 \times 2$

$4 \times 6 \quad \square \quad 3 \times 5$

$2 \times 3 \quad \square \quad 3 + 3$

➤ **Complete each of the following with two different answers :-**

1) $\dots\dots\dots \times \dots\dots\dots = 12$
 $\dots\dots\dots \times \dots\dots\dots = 12$

2) $\dots\dots\dots \times \dots\dots\dots = 30$
 $\dots\dots\dots \times \dots\dots\dots = 30$

3) $\dots\dots\dots \times \dots\dots\dots = 18$
 $\dots\dots\dots \times \dots\dots\dots = 18$

4) $\dots\dots\dots \times \dots\dots\dots = 20$
 $\dots\dots\dots \times \dots\dots\dots = 20$

5) $\dots\dots\dots \times \dots\dots\dots = 40$
 $\dots\dots\dots \times \dots\dots\dots = 40$

6) $\dots\dots\dots \times \dots\dots\dots = 24$
 $\dots\dots\dots \times \dots\dots\dots = 24$

Multiples of 6

$$\begin{aligned}6 \times 1 &= 6 \\6 \times 2 &= 12 \\6 \times 3 &= 18 \\6 \times 4 &= 24 \\6 \times 5 &= 30 \\6 \times 6 &= 36 \\6 \times 7 &= 42 \\6 \times 8 &= 48 \\6 \times 9 &= 54 \\6 \times 10 &= 60 \\6 \times 11 &= 66 \\6 \times 12 &= 72\end{aligned}$$

Each of 6 , 12 ,
18 , 24 , 30 , 36 ,
42 , 48 , 54 , 60 ,
66 , 72

is a **multiple of 6**

Multiples of 7

$$\begin{aligned}7 \times 1 &= 7 \\7 \times 2 &= 14 \\7 \times 3 &= 21 \\7 \times 4 &= 28 \\7 \times 5 &= 35 \\7 \times 6 &= 42 \\7 \times 7 &= 49 \\7 \times 8 &= 56 \\7 \times 9 &= 63 \\7 \times 10 &= 70 \\7 \times 11 &= 77 \\7 \times 12 &= 84\end{aligned}$$

Each of 7 , 14 ,
21 , 28 , 35 , 42 ,
49 , 56 , 63 , 70 ,
77 , 84

is a **multiple of 7**

Multiples of 8

$$\begin{aligned}8 \times 1 &= 8 \\8 \times 2 &= 16 \\8 \times 3 &= 24 \\8 \times 4 &= 32 \\8 \times 5 &= 40 \\8 \times 6 &= 48 \\8 \times 7 &= 56 \\8 \times 8 &= 64 \\8 \times 9 &= 72 \\8 \times 10 &= 80 \\8 \times 11 &= 88 \\8 \times 12 &= 96\end{aligned}$$

Each of 8 , 16 ,
24 , 32 , 40 , 48 ,
56 , 64 , 72 , 80 ,
88 , 96

is a **multiple of 8**

➤ **Find the product :-**

$6 \times 5 = \dots\dots\dots$

$6 \times 9 = \dots\dots\dots$

$8 \times 9 = \dots\dots\dots$

$6 \times 7 = \dots\dots\dots$

$7 \times 7 = \dots\dots\dots$

$1 \times 6 = \dots\dots\dots$

$4 \times 5 = \dots\dots\dots$

$3 \times 7 = \dots\dots\dots$

$3 \times 1 = \dots\dots\dots$

$8 \times 5 = \dots\dots\dots$

$12 \times 5 = \dots\dots\dots$

$5 \times 10 = \dots\dots\dots$

$7 \times 8 = \dots\dots\dots$

$7 \times 4 = \dots\dots\dots$

$1 \times 9 = \dots\dots\dots$

$3 \times 3 = \dots\dots\dots$

$0 \times 6 = \dots\dots\dots$

$12 \times 3 = \dots\dots\dots$

$3 \times 8 = \dots\dots\dots$

$11 \times 2 = \dots\dots\dots$

$8 \times 8 = \dots\dots\dots$

$6 \times 8 = \dots\dots\dots$

$12 \times 6 = \dots\dots\dots$

$7 \times 6 = \dots\dots\dots$

$11 \times 8 = \dots\dots\dots$

$3 \times 5 = \dots\dots\dots$

➤ **Circle the correct answer :-**

a) is a multiple of 3

- 12 • 8 • 14

b) is a common multiple of 2 and 3

- 12 • 8 • 14

c) is a multiple of 6

- 15 • 24 • 35

d) is a common multiple of 3 and 4

- 15 • 30 • 24

e) is a common multiple of 3 and 5

- 10 • 6 • 30

f) is a multiple of 7

- 12 • 14 • 16

Factor pairs

Example :-

6

1)

$$\underline{1} \times 6 = 6, \underline{6} \times 1 = 6$$

$$\underline{2} \times 3 = 6, \underline{3} \times 2 = 6$$

Factors are :- 1, 2, 3, 6

12

2)

$$\dots \times \dots = \dots, \dots \times \dots = \dots$$

$$\dots \times \dots = \dots, \dots \times \dots = \dots$$

Factors are :-,,,

8

3)

$$\dots \times \dots = \dots, \dots \times \dots = \dots$$

$$\dots \times \dots = \dots, \dots \times \dots = \dots$$

Factors are :-,,,

20

4)

$$\begin{aligned} \dots \times \dots &= \dots, \dots \times \dots = \dots \\ \dots \times \dots &= \dots, \dots \times \dots = \dots \end{aligned}$$

Factors are :- $\dots, \dots, \dots, \dots$

16

5)

$$\begin{aligned} \dots \times \dots &= \dots, \dots \times \dots = \dots \\ \dots \times \dots &= \dots, \dots \times \dots = \dots \end{aligned}$$

Factors are :- $\dots, \dots, \dots, \dots$

18

6)

$$\begin{aligned} \dots \times \dots &= \dots, \dots \times \dots = \dots \\ \dots \times \dots &= \dots, \dots \times \dots = \dots \end{aligned}$$

Factors are :- $\dots, \dots, \dots, \dots$

7)

$$\dots \times \dots = \dots, \dots \times \dots = \dots$$

$$\dots \times \dots = \dots, \dots \times \dots = \dots$$

Factors are :- $\dots, \dots, \dots, \dots$

➤ **Complete using the given numbers :-**

1) $\boxed{3}, \boxed{7}, \boxed{1}, \boxed{21}$

$$\dots \times \dots = 21$$

$$\dots \times \dots = 21$$

$$\dots \times \dots = 21$$

$$\dots \times \dots = 21$$

3) $\boxed{1}, \boxed{3}, \boxed{5}, \boxed{15}$

$$\dots \times \dots = 15$$

$$\dots \times \dots = 15$$

$$\dots \times \dots = 15$$

$$\dots \times \dots = 15$$

2) $\boxed{1}, \boxed{8}, \boxed{16}, \boxed{2}$

$$\dots \times \dots = 16$$

$$\dots \times \dots = 16$$

$$\dots \times \dots = 16$$

$$\dots \times \dots = 16$$

4) $\boxed{4}, \boxed{3}, \boxed{1}, \boxed{12}$

$$\dots \times \dots = 12$$

$$\dots \times \dots = 12$$

$$\dots \times \dots = 12$$

$$\dots \times \dots = 12$$

Time to 5 minutes

Hour hand

Minute hand



Analog clock

3 o'clock

Digital clock

03 :00



07 :15

It's quarter past 7



07 :30

It's half past 7



07 :45

It's quarter to 8

➤ Write the time in two ways :-



..... :

It's



..... :

It's



..... :

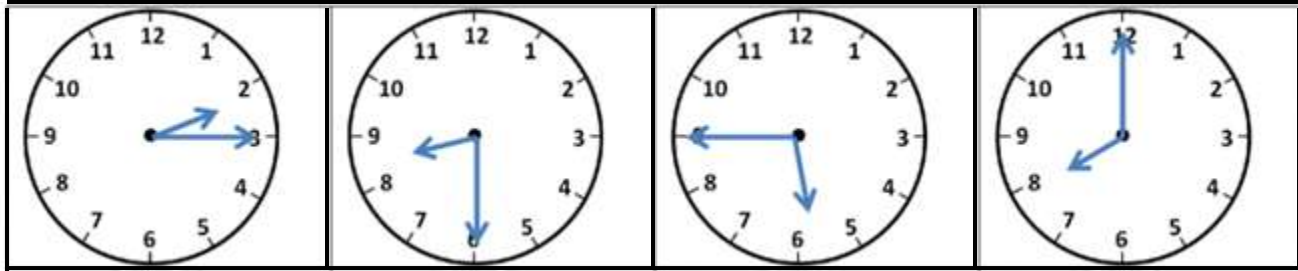
It's



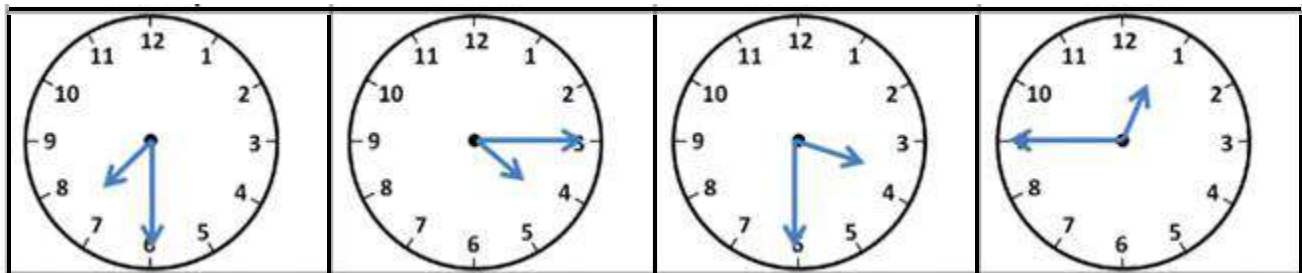
..... :

It's

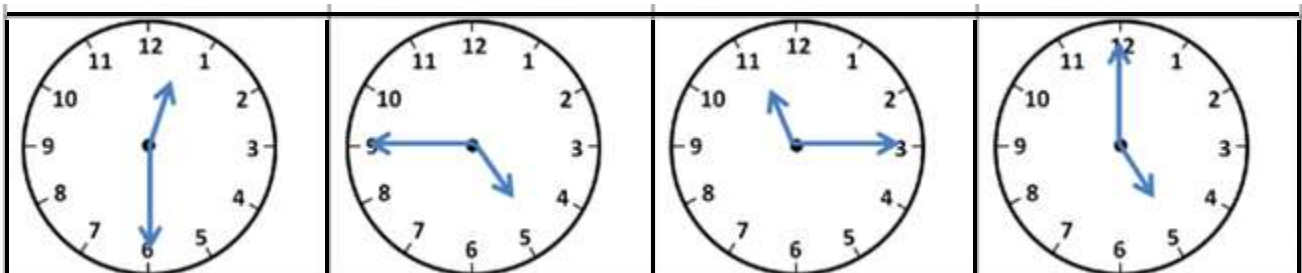
➤ What is the time ?



..... : : : :
------------------------	------------------------	------------------------	------------------------



..... : : : :
------------------------	------------------------	------------------------	------------------------

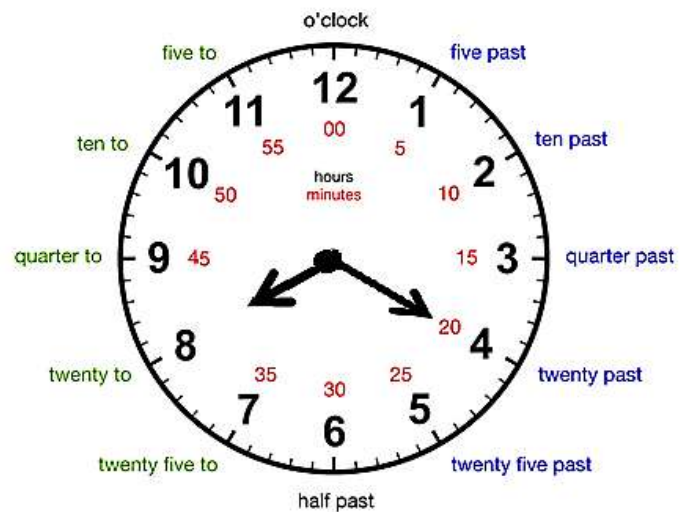


..... : : : :
------------------------	------------------------	------------------------	------------------------

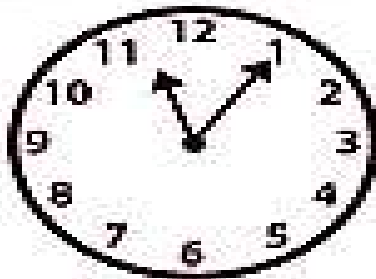
Note that

The time is

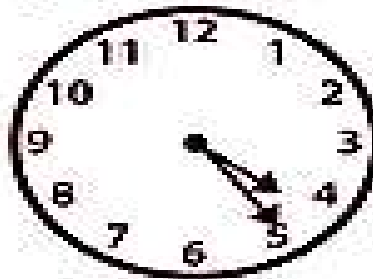
08 :20



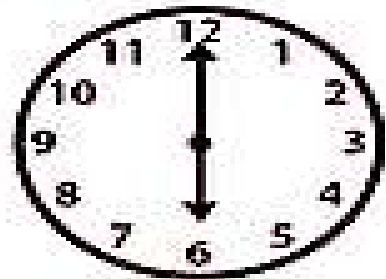
➤ Write the time :-



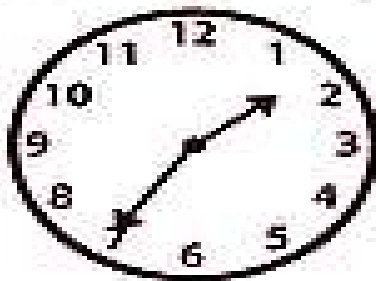
_____ :



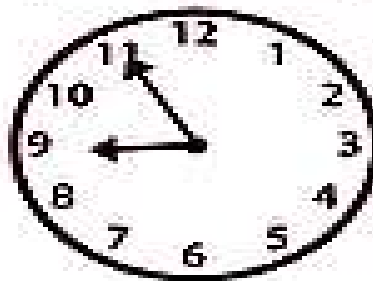
_____ :



_____ :



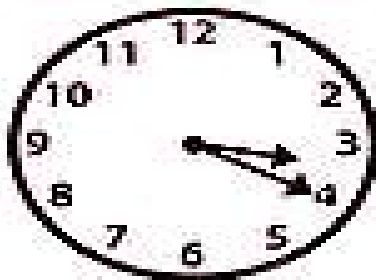
_____ :



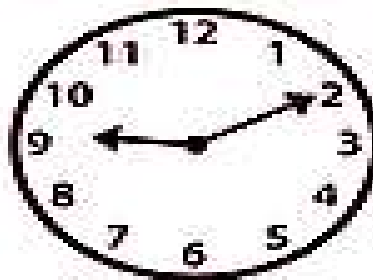
_____ :



_____ :



_____ :



_____ :



_____ :

➤ Circle the correct answer :-



02 : 20



09 : 40



09 : 55

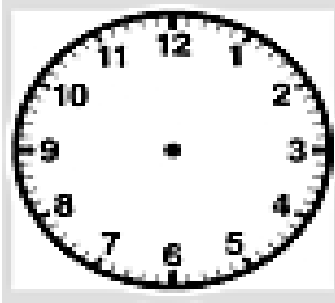


04 : 35

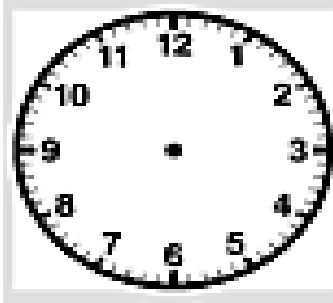


04 : 00

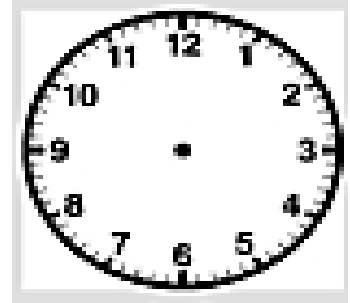
➤ Draw the clock hands :-



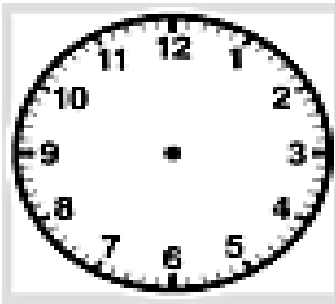
09 : 05



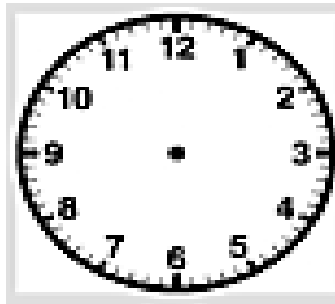
08 : 50



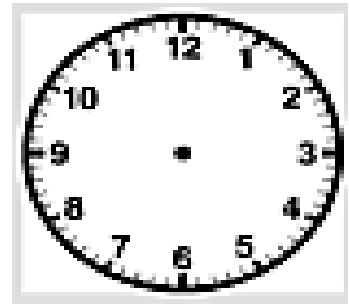
07 : 10



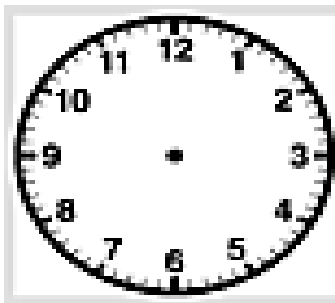
10 : 20



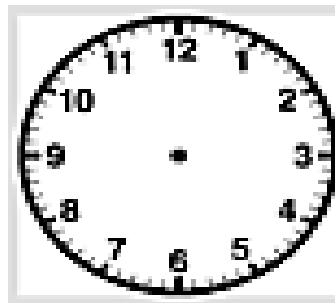
04 : 30



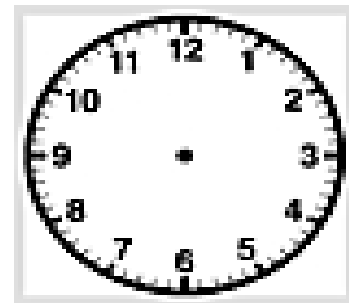
10 : 35



07 : 07



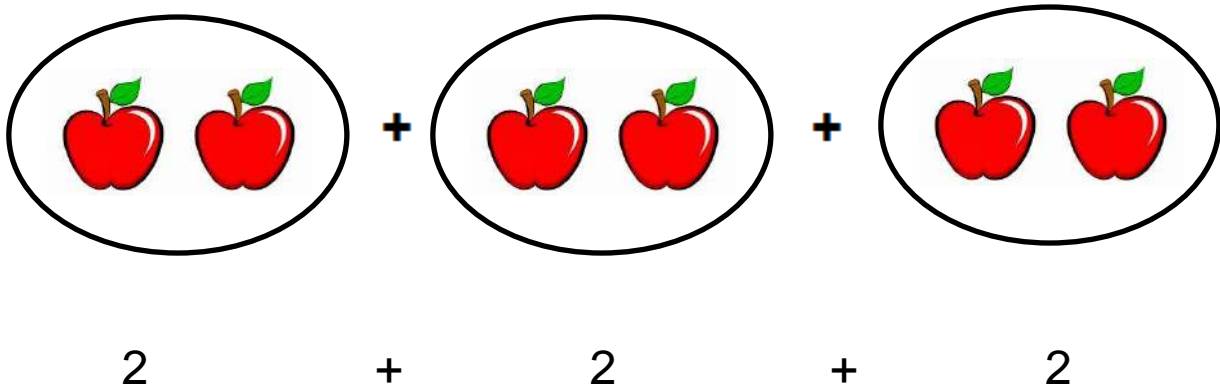
01 : 55



03 : 00

Division

☒ Ellen has 6 apples , there are 3 boys



$$6 \div 3 = 2$$

An arrow points from the equals sign to the result, 2.

➤ **Solve :-**

a) $8 \div 2 = \dots\dots\dots$

b) $56 \div 7 = \dots\dots\dots$

c) $16 \div 8 = \dots\dots\dots$

d) $21 \div 3 = \dots\dots\dots$

e) $12 \div 3 = \dots\dots\dots$

f) $49 \div 7 = \dots\dots\dots$

g) $15 \div 5 = \dots\dots\dots$

h) $32 \div 8 = \dots\dots\dots$

i) $10 \div 2 = \dots\dots\dots$

j) $40 \div 4 = \dots\dots\dots$

k) $18 \div 3 = \dots\dots\dots$

l) $77 \div 11 = \dots\dots\dots$

Story problems

- Malek has 20 eggs and wants to put them equally in 4 plates.
How many eggs are there in 4 plates ?
.....
- Salen has 28 stamps , she put an equal number of her stamps on
each of 4 pages . How many stamps are on each page ?
.....
- Each bear wants to eat 2 fish , there are 12 fish . How many
bears can be fed?
.....
- A class has 16 pupils , if they are divided into rows of 4 pupils
each , How many rows are there ?
.....

$$12 \div 3 = 4$$

It is read 12 divided by 3 equal 4

Where :- \div \longrightarrow Division symbol

4 \longrightarrow called quotient

➤ **Write the division sentence :-**

a) 20 divided by 5 \longrightarrow \div =

b) 10 divided by 2 \longrightarrow \div =

c) 50 divided by 10 \longrightarrow \div =

d) 16 divided by 2 \longrightarrow \div =

➤ **Solve :-**

a) $8 \div 2 =$

g) $24 \div 4 =$

b) $16 \div 4 =$

h) $20 \div 2 =$

c) $40 \div 10 =$

i) $88 \div 8 =$

d) $12 \div 6 =$

j) $32 \div 8 =$

e) $15 \div 3 =$

k) $60 \div 10 =$

f) $21 \div 7 =$

l) $24 \div 2 =$

The relation between multiplication and Division

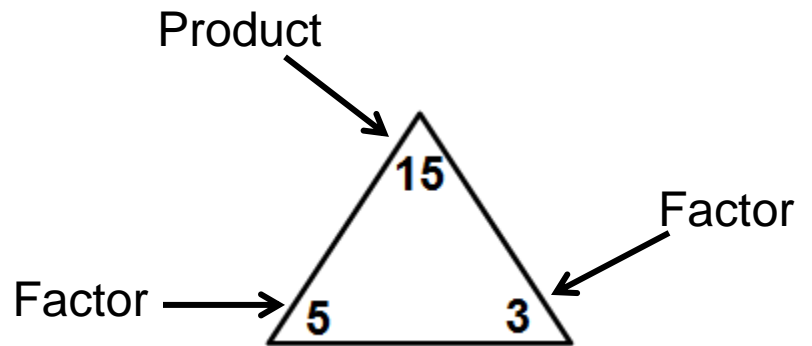
➤ Write the fact family for each set of numbers :-

1) $3 \times 5 = 15$

$5 \times 3 = 15$

$15 \div 5 = 3$

$15 \div 3 = 5$

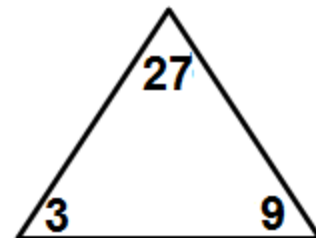


2) \times =

..... \times =

..... \div =

..... \div =

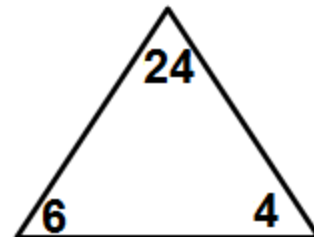


3) \times =

..... \times =

..... \div =

..... \div =

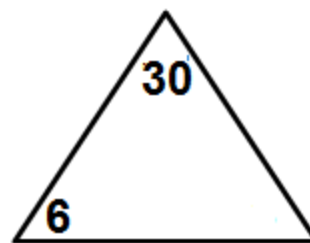


4) X =

..... X =

..... ÷ =

..... ÷ =

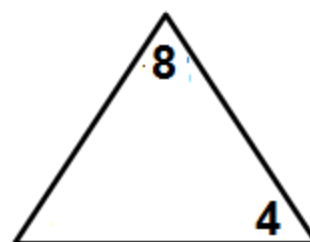


5) X =

..... X =

..... ÷ =

..... ÷ =

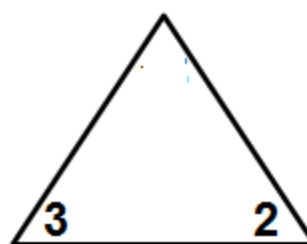


6) X =

..... X =

..... ÷ =

..... ÷ =



➤ **Complete :-**

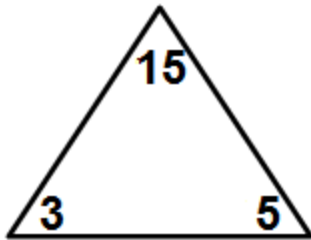
- $4 \times \dots\dots\dots = 12$
- $21 \div \dots\dots\dots = 7$
- $7 \times \dots\dots\dots = 28$
- $54 \div 6 = \dots\dots\dots$
- $\dots\dots\dots \times 4 = 32$
- $3 \times \dots\dots\dots = 27$
- $6 \times \dots\dots\dots = 18$
- $24 \div 3 = \dots\dots\dots$
- $9 \times 2 = \dots\dots\dots$
- $\dots\dots\dots \div 6 = 6$
- $\dots\dots\dots \div 2 = 4$
- $\dots\dots\dots \times 6 = 24$
- $\dots\dots\dots \times 7 = 49$
- $88 \div 8 = \dots\dots\dots$
- $20 \div \dots\dots\dots = 10$

Model (1)

➤ Find the result :-

- $10 \times 9 = \dots\dots\dots$
- $3 \times 7 = \dots\dots\dots$
- $21 \div 3 = \dots\dots\dots$
- $36 \div \dots\dots\dots = 9$

➤ Write the fact family :-

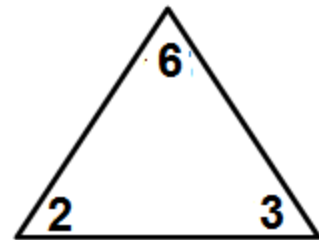


$$\dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$



$$\dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots \times \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots \div \dots\dots\dots = \dots\dots\dots$$

➤ **Choose the correct answer :-**

1) is a common multiple of 2 and 3

• 12

• 8

• 4

• 5

2) $4 \times \dots = 16$

• 4

• 1

• 6

• 2

3) $8 \times 0 = \dots$

• 80

• 18

• 8

• 0

4) is a multiple of 5

• 23

• 14

• 15

• 11

☒ Sally bought 4 packs of ping pong balls , each pack has 5 balls.

How many balls are there ?

.....

Model (2)

➤ Write each factor pair and the factor of the number 18 :-

..... X =

..... X =

..... X =

..... X =

..... X =

..... X =

➤ Put (> , < or =) :-

5 + 1 5 x 1

4 x 0 4 + 0

2 + 2 2 x 2

4 x 7 5 x 6

1 x 10 2 x 5

6 + 6 12

5 + 3 5 x 3

5 x 0 50

➤ **Complete :-**

- $36 \div 3 = \dots\dots\dots$
- $\dots\dots\dots \div 5 = 3$
- $25 \div 5 = \dots\dots\dots$
- $8 \div 1 = \dots\dots\dots$
- $10 \div 2 = \dots\dots\dots$
- $8 \times \dots\dots\dots = 24$

➤ **Write the time :-**



..... :



..... :



..... :

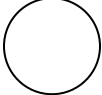
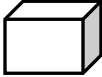

☒ Mohamed has 20 lemons and want to put them equally in 5 bags , How many lemons are there in each bag ?

.....

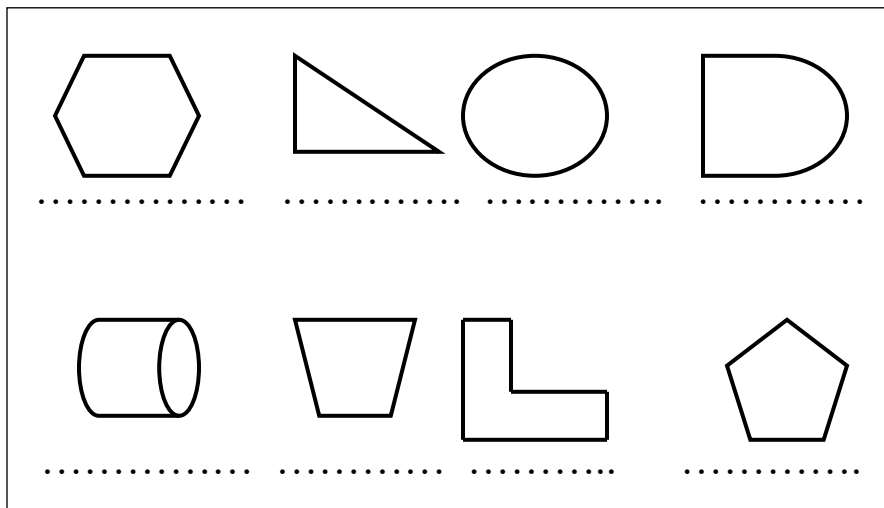
CHAPTER 4

THE POLYGONS

-Polygons: are closed two_ dimensional shapes.

- **Circle**  is not a polygon (has a curved line).
- **Cube**  is not a polygon (3D Shapes)
- **Open**  is not a polygon (Closed shape)

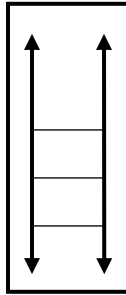
-Put (✓) in side each polygon:



Notes

Parallel straight lines

- Example of parallel:

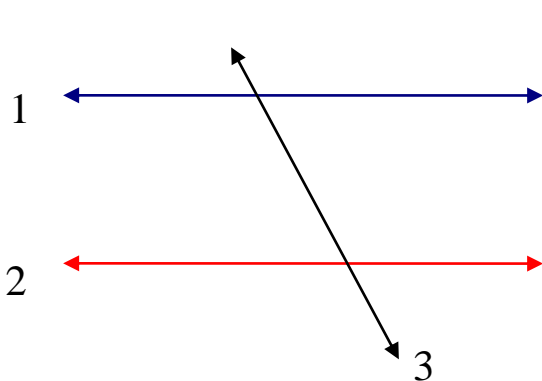


* The opposite edges of ruler

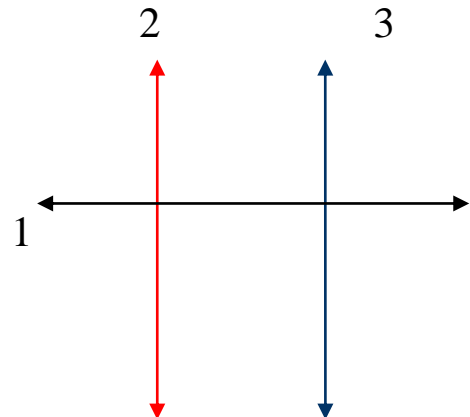


The Train Tracks

-Choose the two numbers of each pair of parallel line:

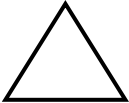
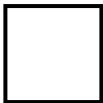

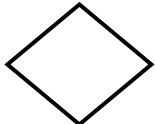
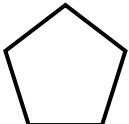
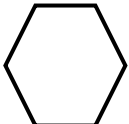
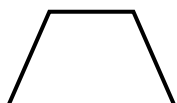


.....and.....



.....and.....

Two dimensional shapes (2-D shapes)

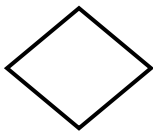
Shapes	Name	Sides	Vertices
	Triangle	3 Sides	3 Vertices
	Square	4 Sides (all sides are equal)	4 Vertices
	Rectangle	4 Sides (2 short equal sides and 2 long equal sides)	4 Vertices
	Rhombus	4 Sides (4 equal sides)	4 Vertices
	Pentagon	5 Sides	5 Vertices
	Hexagon	6 Sides	6 Vertices
	Trapezium (Trapezoid)	4 Sides (only 2 parallel lines)	4 Vertices

Notes

Number of sides = Number of vertices

1-Complete:

a)



Rhombus

.....Sides

.....Vertices

b)

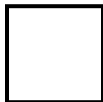


.....

.....Sides

.....Vertices

c)

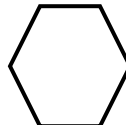


.....

.....Sides

.....Vertices

d)



.....

.....Sides

.....Vertices

e)

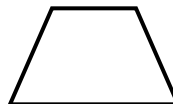


.....

.....Sides

.....Vertices

f)



.....

.....Sides

.....Vertices

-Quadrilaterals:

Are polygons with 4 straight sides and 4 vertices



Square

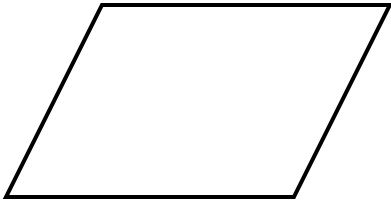
2 pairs of parallel sides

4 equal sides

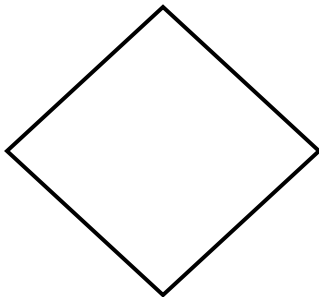
4 vertices



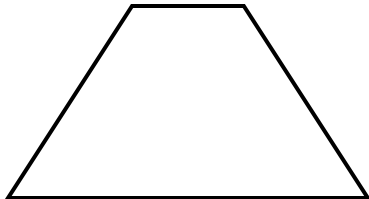
Rectangle
2 pairs of parallel sides
2 pairs of equal sides
4 vertices



Parallelogram
2 pairs of parallel sides
2 pairs of equal sides
4 vertices



Rhombus
2 pairs of parallel sides
4 equal sides
4 vertices



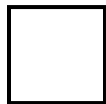
Trapezium
Only 2 parallel sides
4 Vertices

Notes:- All quadrilaterals has 4 sides and 4 vertices

- Write the name for each quadrilateral:



.....



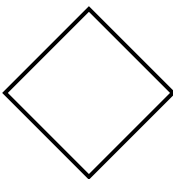
.....



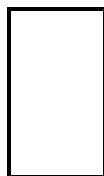
.....



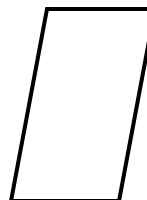
.....



.....

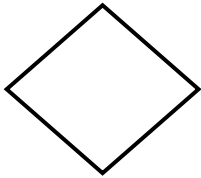


.....

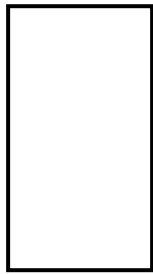


.....

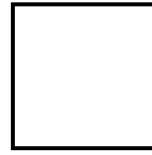
- Color figures that are polygons in blue and that are not polygons in yellow:



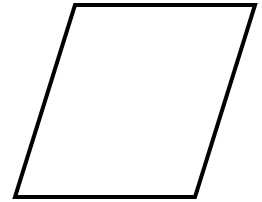
Rhombus



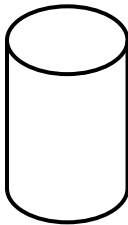
Rectangle



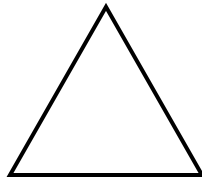
Square



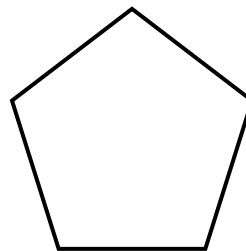
Parallelogram



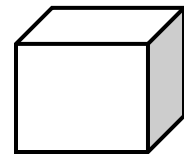
Cylinder



Triangle



Pentagon








Cube

Notes:

- 1) shapes that have 2 opposite sides are opposite sides are
Parallel are: Rectangle, Square ,Rhombus ,Parallelogram.
- 2) shapes that have equal sides are Square ,Rhombus.
- 3) Square ,Rectangle have 4 similar vertices.
- 4) Rhombus ,Parallelogram have 4vertices are not similar.

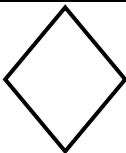
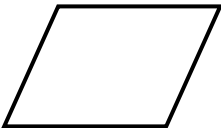
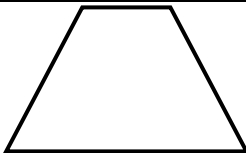


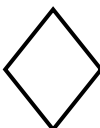
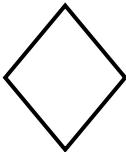

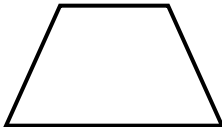
-Complete:

Quadrilateral	 Parallelogram	 Rectangle	 Square	 Rhombus	 Trapezium
Sides	.....	Sides aren't equal	.....	Sides are equal	.....
Vertices	Vertices aren't the same	.....	Vertices are the same	.....	.....
Parallel sides	Each 2 sides are parallel	.....	.....	Each 2 sides are parallel	.....
Number of sides	.....	4	.....	.....	4
Number of vertices	4	.....	.....	4	.....

-Complete:

- 1),..... have 4 equal sides.
- 2),..... have 2 pairs of parallel sides.
- 3) has 1 pair of parallel sides.
- 4) All quadrilaterals are

- Color the shape according to the given clues:

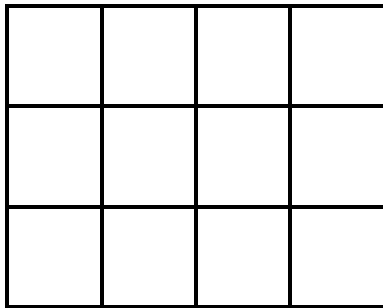
Clue	Shapes		
I have only 2 parallel sides	 <i>Rhombus</i>	 <i>Parallelogram</i>	 <i>Trapezium</i>
I have 4 equal sides	 <i>Trapezium</i> <i>Rhombus</i>	 <i>Square</i>	
Each 2 opposite sides are equal and parallel	 <i>Rhombus</i>	 <i>Parallelogram</i>	 <i>Trapezium</i>

Area

Area:- is the number of square of units needed to cover the surface of a figure.

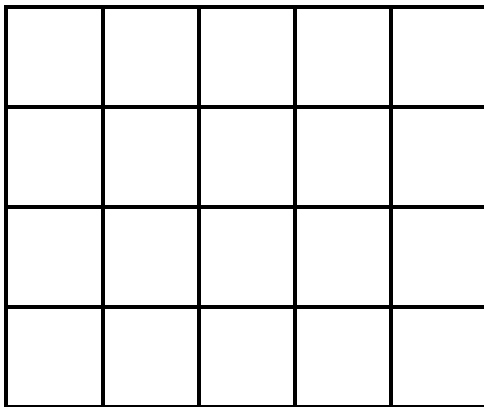
- Find the area of the following rectangles:

a)



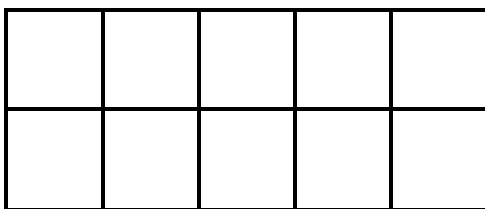
Area =square units

b)



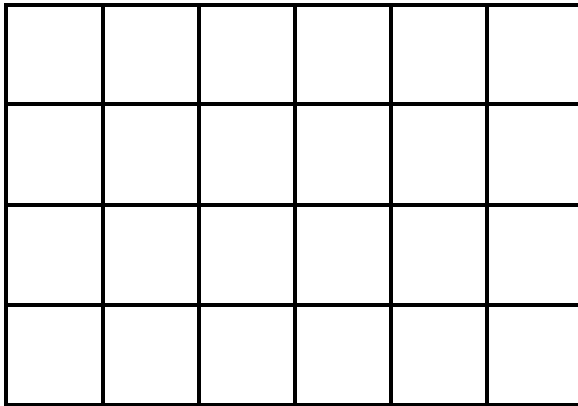
Area =square units

c)



Area =square units

d)



Area =square units

Note

Area of rectangle = number of rows X number of columns

-Find the area of the following rectangles:

a) Rectangle A: 4 rows and 3 columns

Area =X.....=.....square units

b) Rectangle B: 2 rows and 5 columns

Area =X.....=.....square units

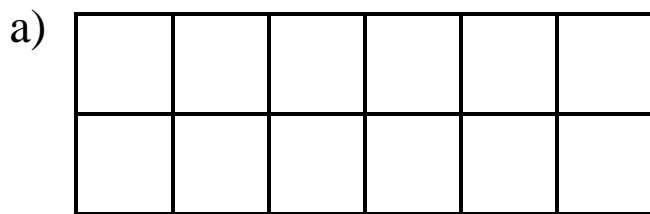
c) Rectangle C: 4 rows and 4 columns

Area =X.....=.....square units

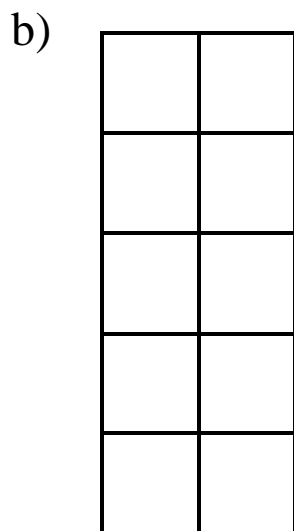
d) Rectangle D: 5 rows and 3 columns

Area =X.....=.....square units

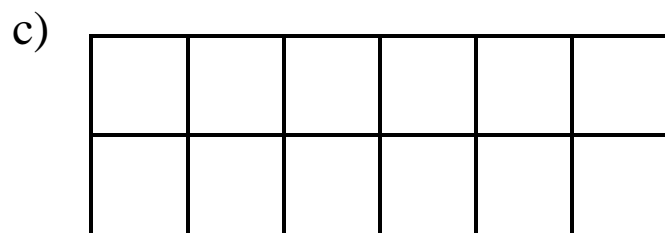
-Find the area of each of the following figures:



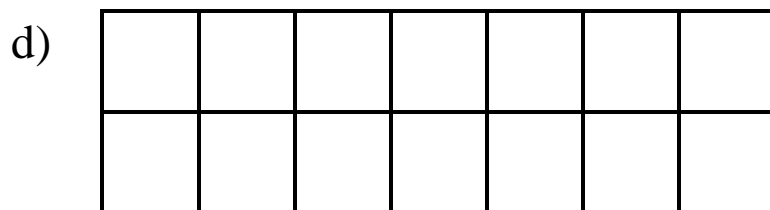
Area =x.....=.....square units



Area =x.....=.....square units

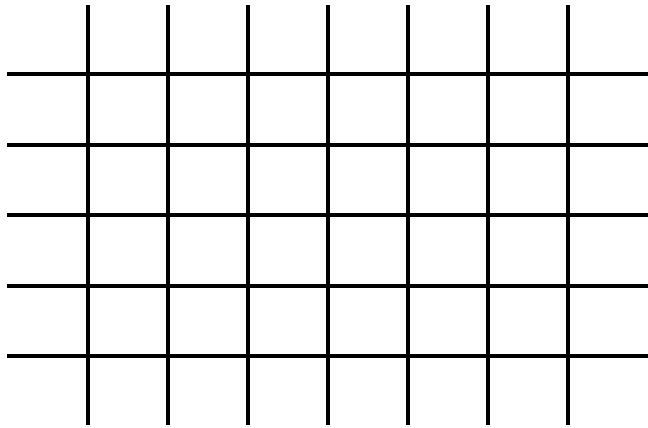


Area =x.....=.....square units

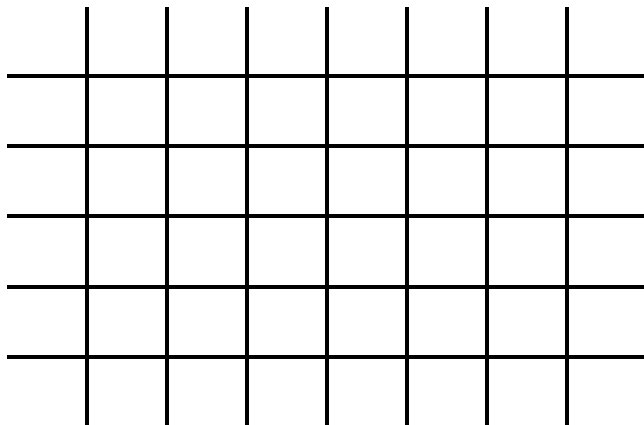


Area =x.....=.....square units

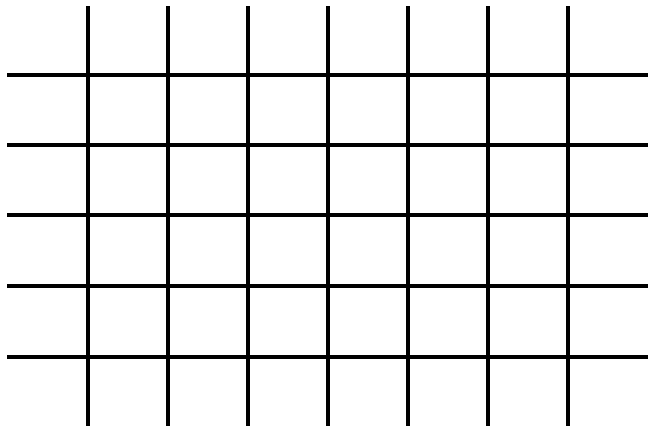
-Draw a rectangle represents each of the following sentences and calculates the area:



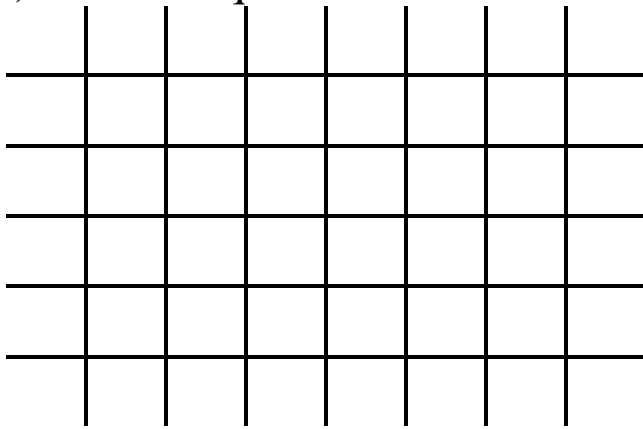
a) $3 \times 5 = \dots$ square units



b) $2 \times 4 = \dots$ square units



c) $2 \times 3 = \dots$ square units



d) $4 \times 5 = \dots$ square units

Area of rectangle given its dimension

Formula of area of rectangle
 $\text{Area} = \text{length} \times \text{width}$

For example:

$\text{Area} = \text{length} \times \text{width}$

$= 5 \times 3$

$= 15 \text{ square centimeter}$

Length 5cm

Width

3cm



-Find the area of each figure:

6cm

- 2cm

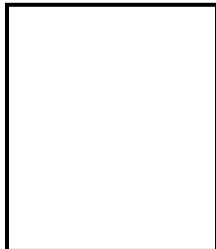


Area =X.....

= square centimeter

3cm

- 4cm

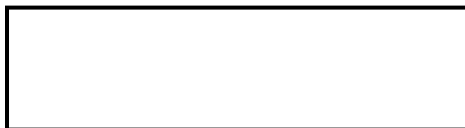


Area =X.....

= square centimeter

5cm

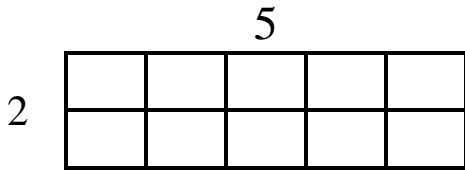
- 2cm



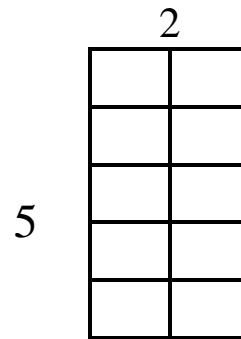
Area =X.....

= square centimeter

Rectangles with the same area



Area = $5 \times 2 = 10$ square units

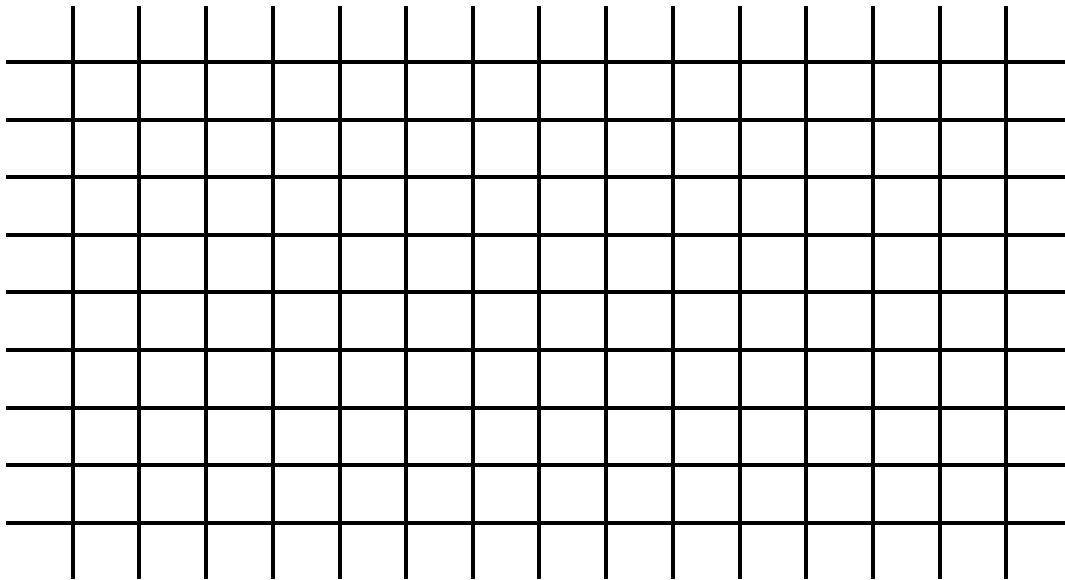


Area = $5 \times 2 = 10$ square units

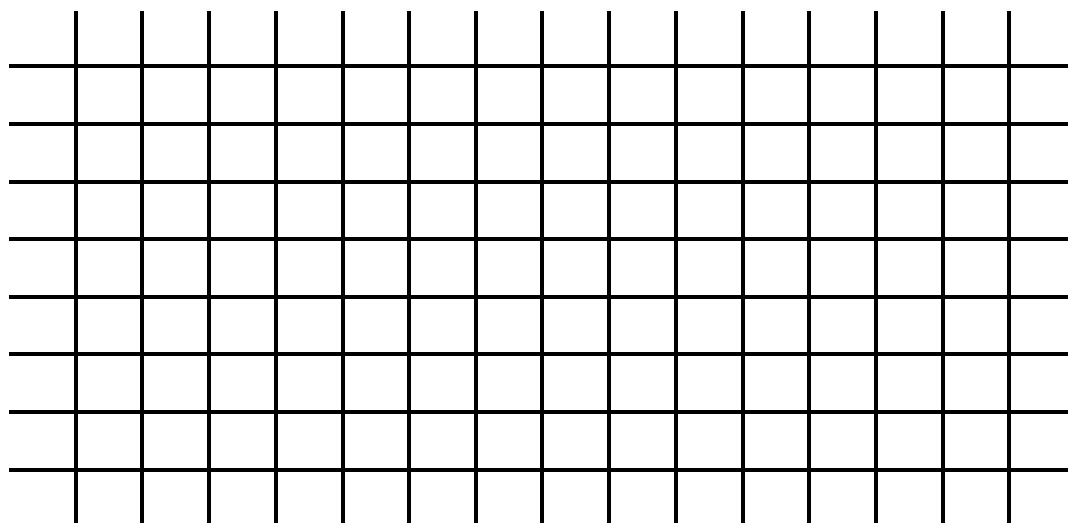
Note

These two rectangles have the same dimensions.

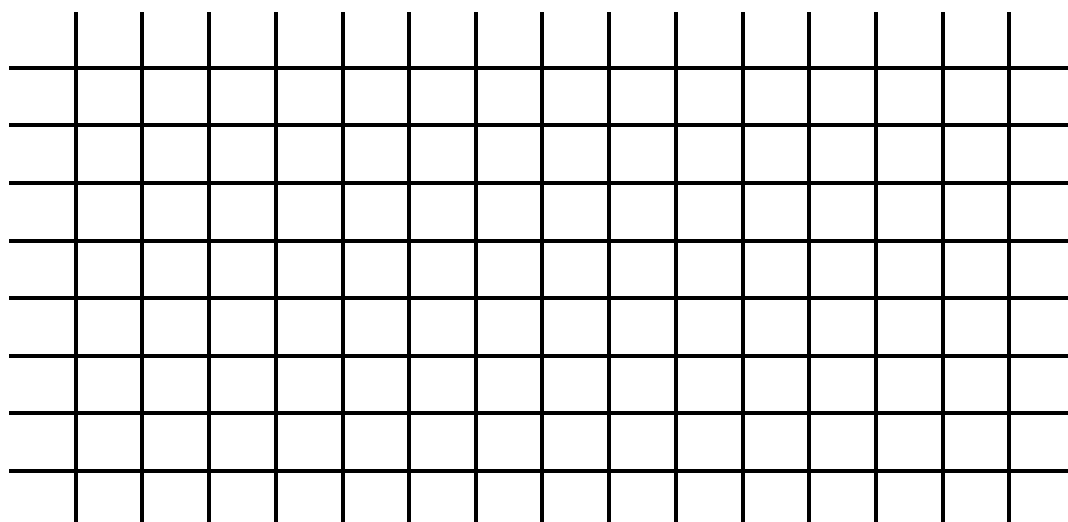
-Draw 2 different rectangles with 12(3x4) square units:



-Draw 2 different rectangles with 18 square units:

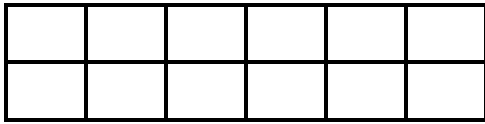


-Draw 2 different rectangles with 20 square units:



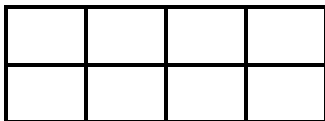
-Find the area then match the equal rectangles:

a)



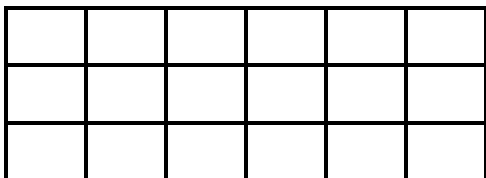
Area =x.....=.....square units

b)



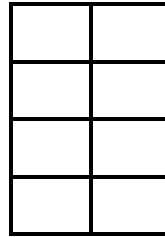
Area =x.....=.....square units

c)



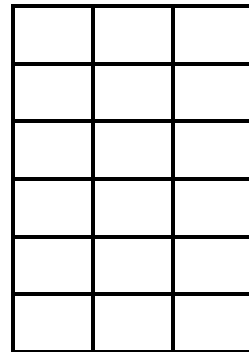
Area =x.....=.....square units

1)



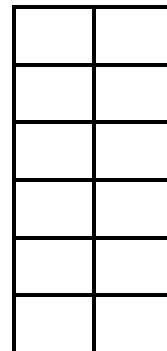
Area =x.....=.....square units

2)



Area =x.....=.....square units

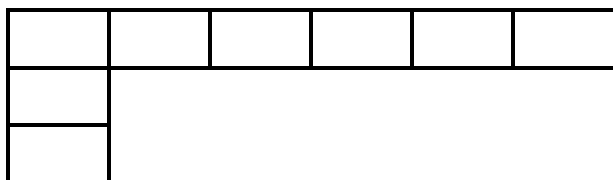
3)



Area =x.....=.....square units

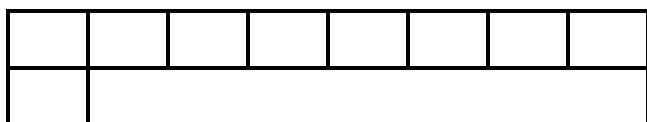
- Determine the area of each shape:

a)



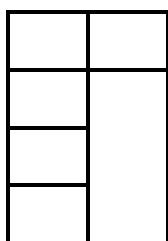
Area =x.....=.....square units

b)



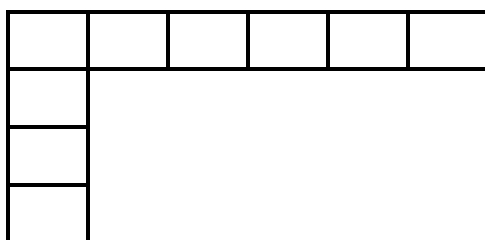
Area =x.....=.....square units

c)



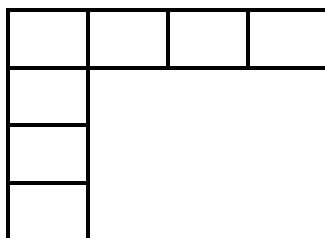
Area =x.....=.....square units

d)



Area =x.....=.....square units

e)



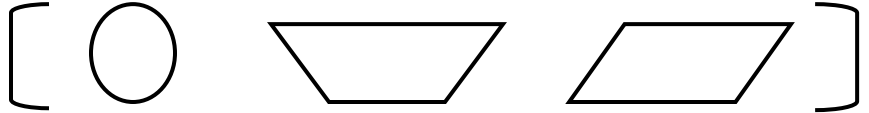
Area =x.....=.....square units

Model 1

1) Choose the correct answer:

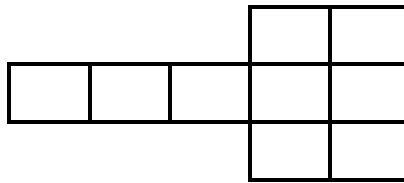
a) How many vertices are there in parallelogram?..... (2-4-6)

b) Which of the following doesn't represent a polygon?



c) How many sides does this shape  have?..... (5-6-7)

d) The area of the opposite figure is (6-9-12)



2) Complete:

a) The name of the opposite figure is

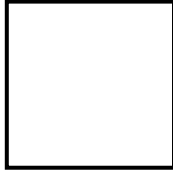


b) The trapezium haspair of parallel sides and the parallelogram has pair of parallel sides.

c)..... Is the quadrilateral that has equal sides and the same vertices.

3) **Name each figure and complete:**

a)

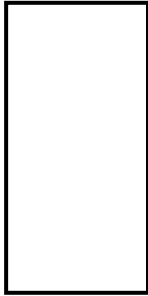


Name:.....

Equal sides:..... , Vertices:.....

Pairs of parallel sides.....

b)

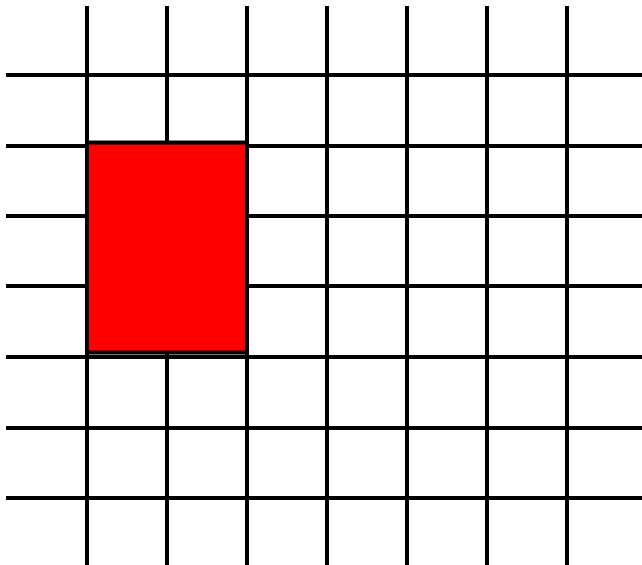


Name:.....

Equal sides:..... , Vertices:.....




Pairs of parallel sides.....

4) **Draw rectangle of the same area of the drawn rectangle:**



Model 2

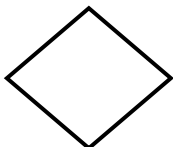
1) Complete the table:

Shape	Name	Number of sides	Number of vertcies
			
			
			

2) Choose true or false:


a) the quadrilateral  is a parallelogram.(true or false)

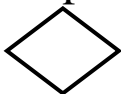
b) the square doesn't have equal sides.(true or false)

c) the name of  is square. (true or false)


3) Tick (✓) the right answer:

a) which of the following is a parallelogram

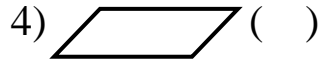
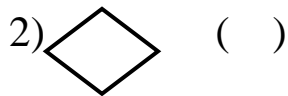
1)  ()

2)  ()

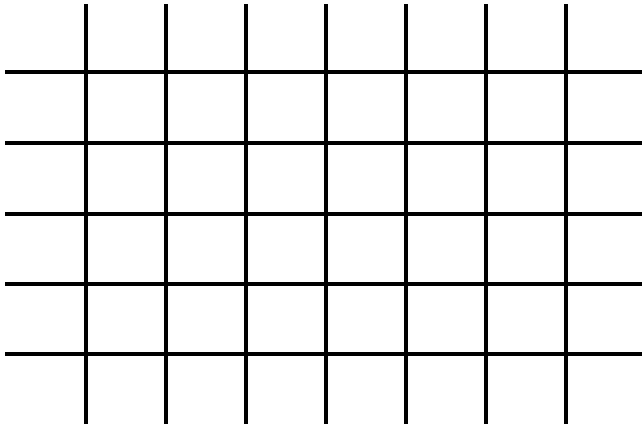
3)  ()

4)  ()

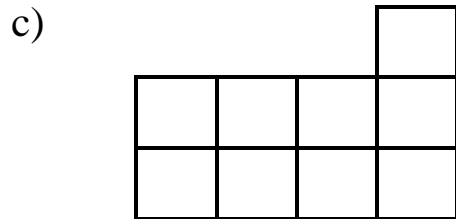
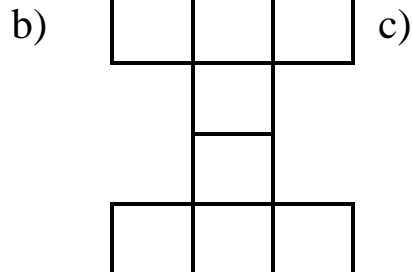
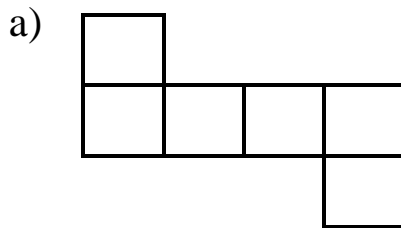
b) Which quadrilateral doesn't have two sets of parallel sides.



4) draw two different rectangles with the same area (4x2)



5) Calculate the area of each shape:



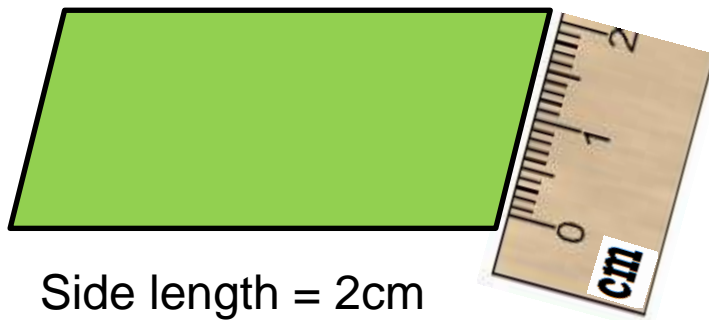
6) Choose the suitable answer:

- a) is a polygon (circle –triangle –cube)
- b) is a quadrilateral that has only 2 parallel sides
(trapezium – square –parallelogram)
- c) the number of vertices of the square are(4 -3-2)

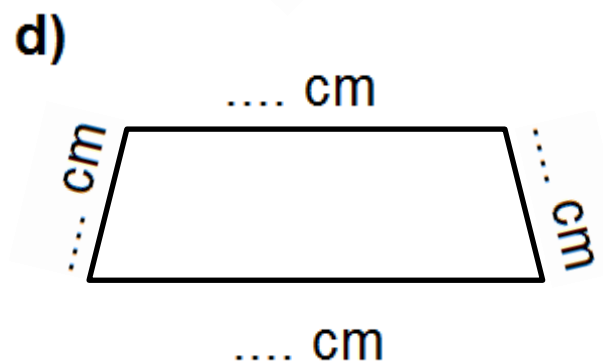
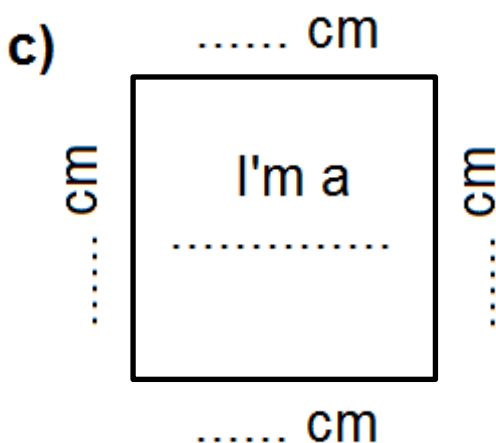
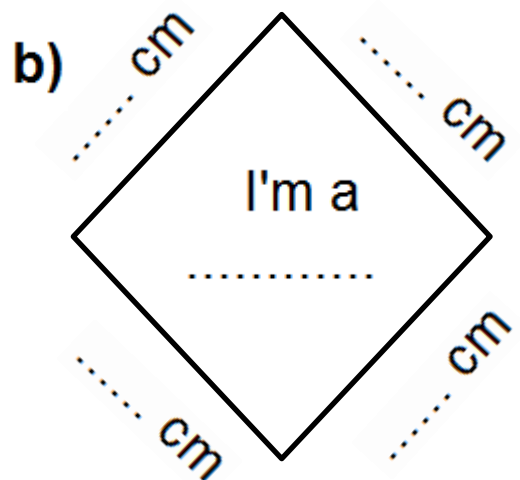
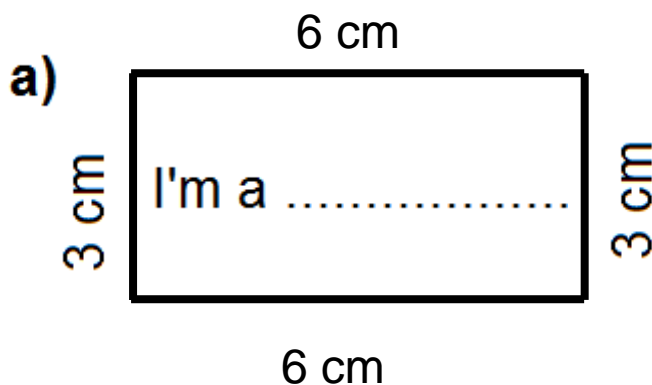
Chapter 5

Measuring the length of sides of polygons in cm

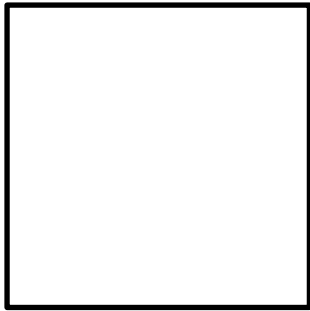
❖ **Ruler** :- is a tool used to measure the side length .



❖ **Measure then record the length of each side :-**



❖ Match the quadrilaterals with their names and lengths :-



I'm a trapezium one of my side lengths is 6 cm



I'm a parallelogram I have two sides each of length is 5 cm



I'm a rectangle I have two sides with a length of 7 cm



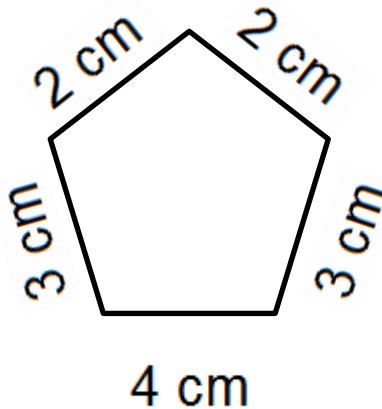
I'm a square with a side length of 4 cm

The perimeter of polygons

❖ **The perimeter :-** Measurement of the distance around the shape .

❖ **Find the perimeter of each polygon :-**

a)



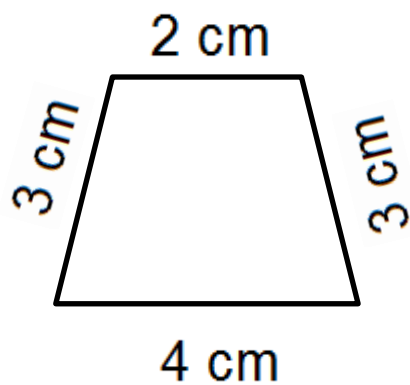
Perimeter = + + + + = cm

b)



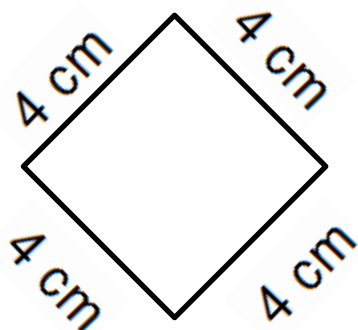
Perimeter = + + + = cm

c)

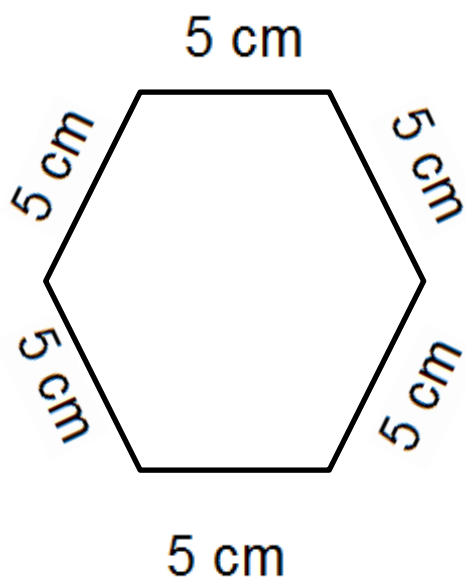


Perimeter = + + + = cm

d)

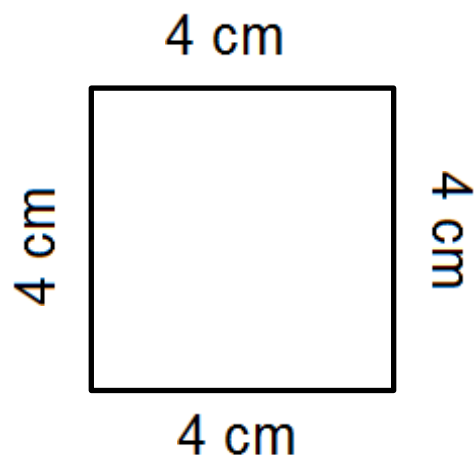
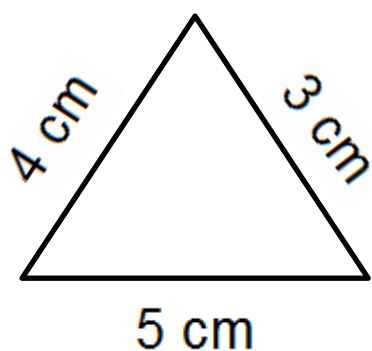


Perimeter = + + + = cm



Perimeter = + + + + + = cm

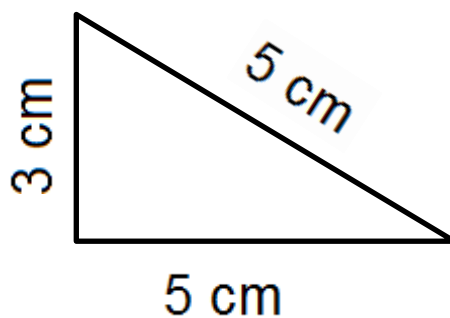
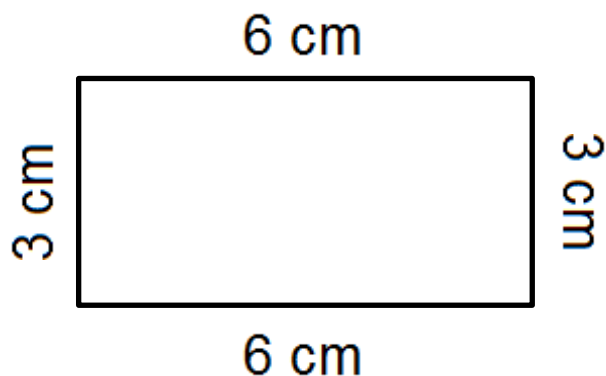
❖ Color the polygon with the greater perimeter in yellow :-



Perimeter = cm

Perimeter = cm

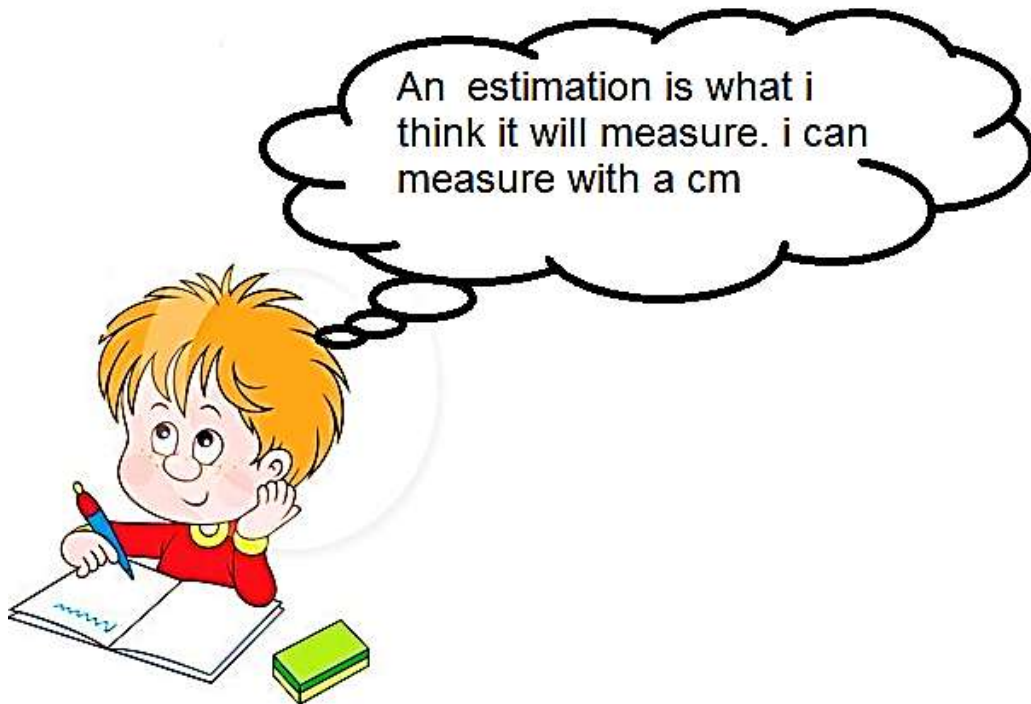
❖ Color the polygon with the smaller perimeter in red :-



Perimeter = cm

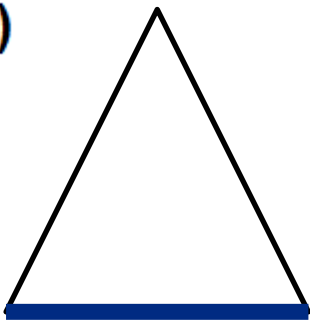
Perimeter = cm

Estimating the side length



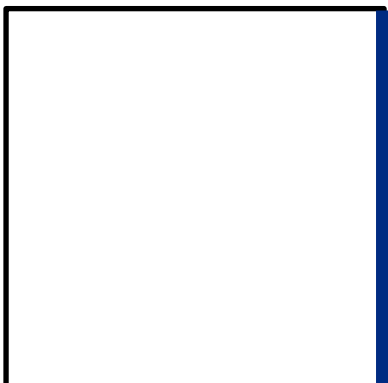
❖ Estimate the length of the blue side :-

a)



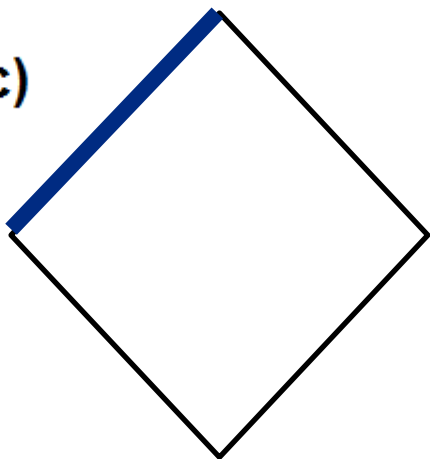
Estimate	About cm
Measure	..... cm

b)



Estimate	About cm
Measure	..... cm

c)



Estimate	About cm
Measure	..... cm

d)



Estimate	About cm
Measure	..... cm

e)



Estimate	About cm
Measure	..... cm

Note that

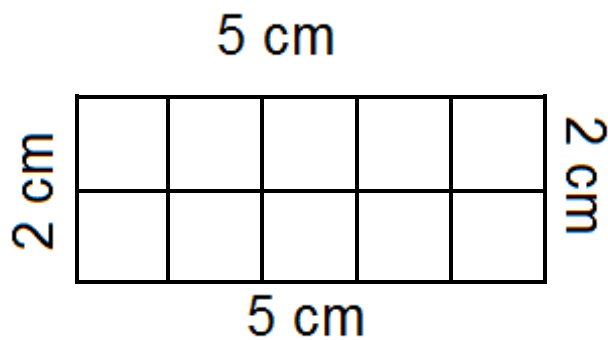
Area = length x width

Square centimeters = cm^2

Square meters = m^2

❖ Find the perimeter and the area of each figure :-

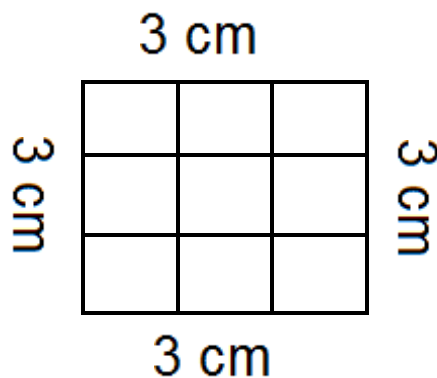
a)



Perimeter = + + + = cm

Area = Square centimeters

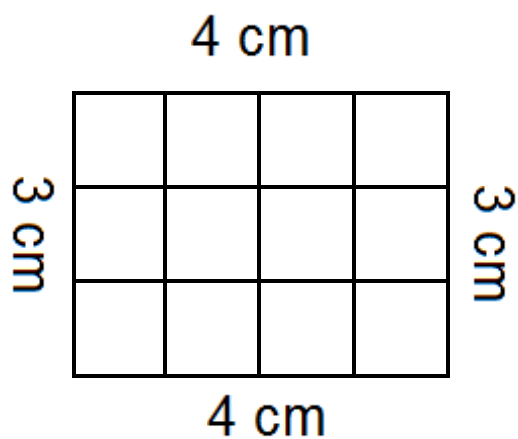
b)



Perimeter = + + + = cm

Area = Square centimeters

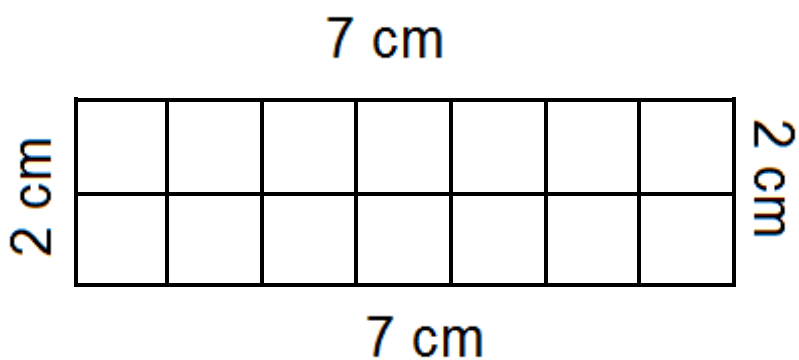
c)



Perimeter = + + + = cm

Area = Square centimeters

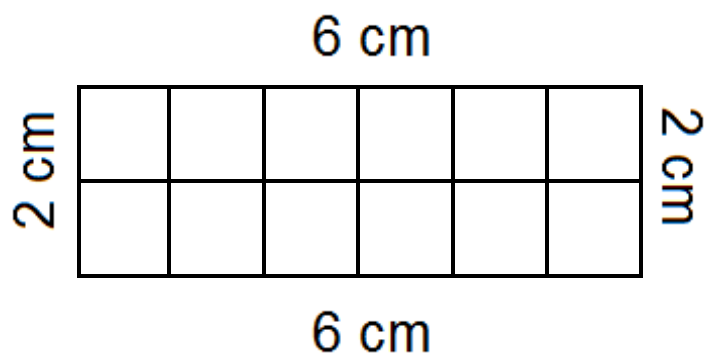
d)



Perimeter = + + + = cm

Area = cm^2

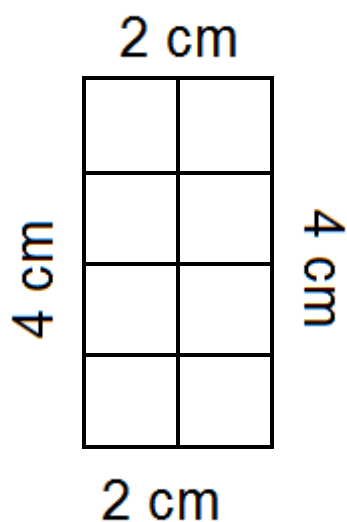
e)



Perimeter = + + + = cm

Area = cm^2

f)



Perimeter = + + + = cm

Area = cm^2

Area and perimeter story problem

- ❖ Mina built a backyard pen for his puppy. The length of the pen was 3 meters and the width was 2 meters.

What is the area of the pen?

.....

- ❖ Yara wants to put a lace border around her picture of dimensions 3 cm and 5 cm.

How long of lace border does she need ?

(Find the perimeter)

.....

- ❖ A book had a length of 20 cm and a width of 12 cm .

What is the perimeter of the book ?

.....

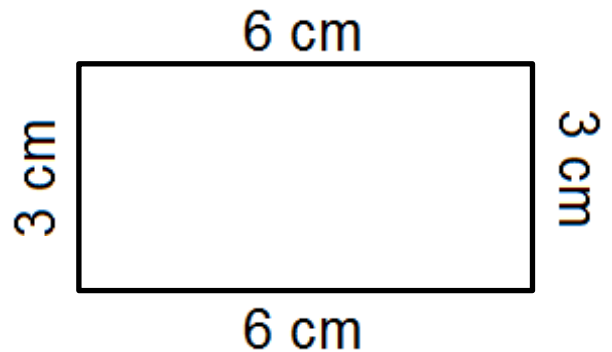
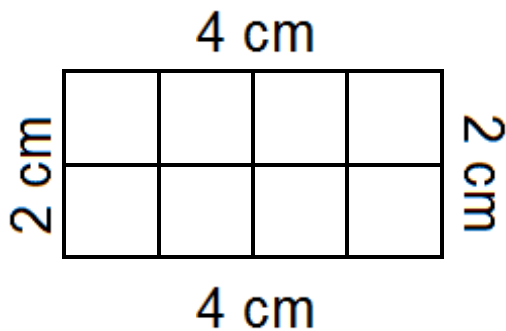
- ❖ Mariam is sewing border on a square baby blanket . the length of the blanket is 60 cm and the width is 15 cm .

how long will the border be?

.....

Model (1)

❖ Find the perimeter and the area of each shape :-



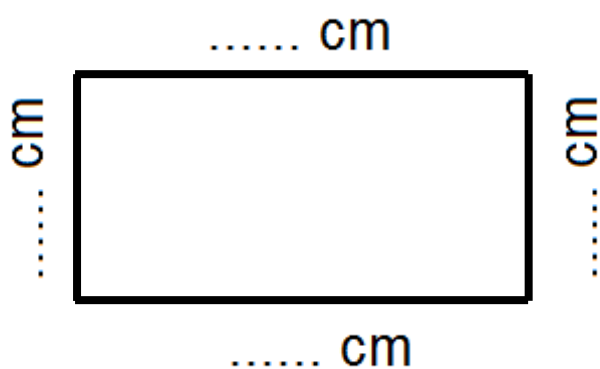
Perimeter = cm

Perimeter = cm

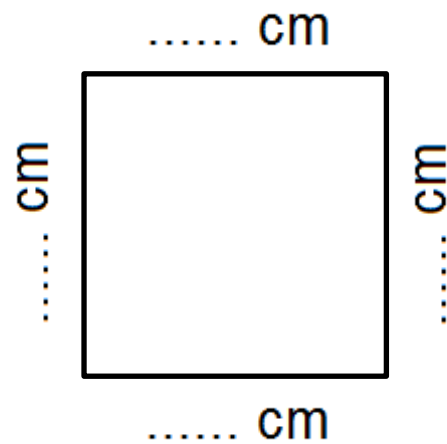
Area = cm^2

Area = cm^2

❖ Measure the length of the sides then find the area :-



Area = cm^2



Area = cm^2

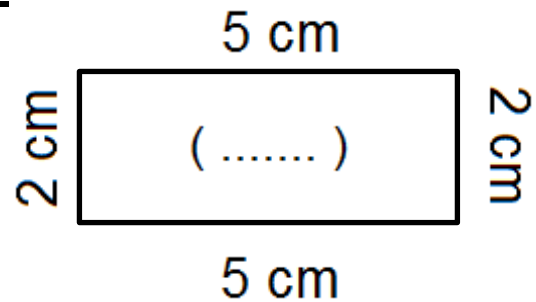
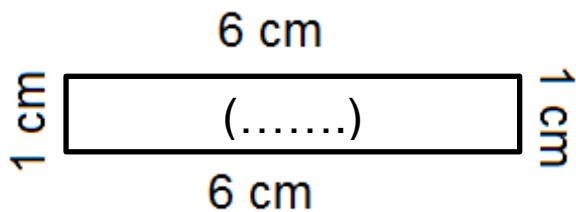
❖ Find the perimeter and the area of the fence of a chicken pen of dimension 7 m and 3 m.

Perimeter = m

Area = m^2

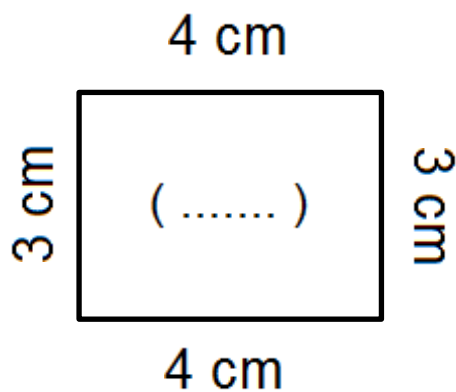
Model (2)

❖ Find the perimeters of each polygons then tick (\checkmark) inside the figures of equal perimeters :-



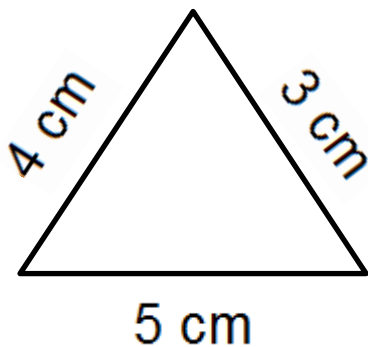
Perimeter = cm

Perimeter = cm

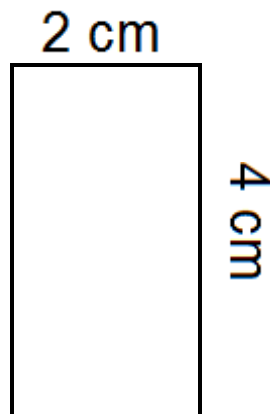


Perimeter = cm

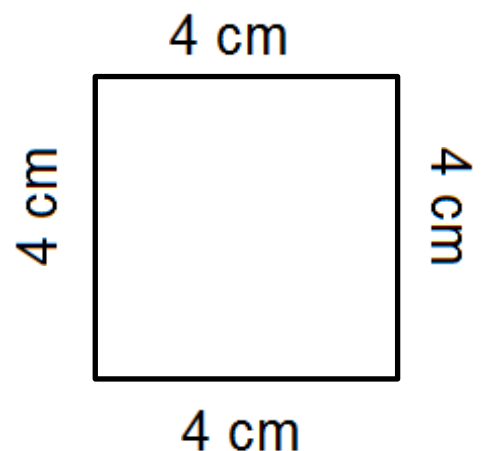
❖ Find the perimeter each polygon :-



Perimeter = cm

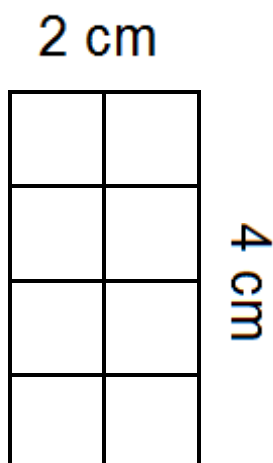


Perimeter = cm

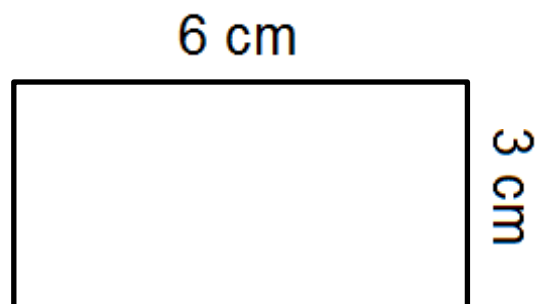


Perimeter = cm

❖ Find the area of each figure :-



Area = cm^2



Area = cm^2

❖ Ahmed wants to put artificial grass in his garden.

the garden is a rectangle 5 meters long and 3 meters wide.

How many square meters of artificial grass does Ahmed need ?

.....

Chapter 6

Multiplication Strategies

Note that

$$2 \times 3 = 6$$

$$2 \times \underline{30} = \underline{60}$$

$$2 \times \underline{300} = \underline{600}$$

$$2 \times \underline{3,000} = \underline{6,000}$$

➤ Complete the following :-

$$2 \times 4 = \dots\dots$$

$$2 \times 40 = \dots\dots$$

$$2 \times 400 = \dots\dots$$

$$2 \times 4,000 = \dots\dots$$

$$3 \times 7 = \dots\dots$$

$$3 \times 70 = \dots\dots$$

$$3 \times 700 = \dots\dots$$

$$3 \times 7,000 = \dots\dots$$

$$4 \times 5 = \dots\dots$$

$$4 \times 50 = \dots\dots$$

$$4 \times 500 = \dots\dots$$

$$4 \times 5,000 = \dots\dots$$

➤ **If $3 \times 4 = 12$ then :-**

$3 \times 40 = \dots\dots\dots$

$3 \times 400 = \dots\dots\dots$

$3 \times 4,000 = \dots\dots\dots$

➤ **If $5 \times 6 = 30$ then :-**

$5 \times 60 = \dots\dots\dots$

$5 \times 600 = \dots\dots\dots$

$5 \times 6,000 = \dots\dots\dots$

➤ **Find the following products :-**

$4 \times 70 = \dots\dots\dots$	$5 \times 800 = \dots\dots\dots$	$9 \times 40 = \dots\dots\dots$
$6 \times 4,000 = \dots\dots\dots$	$8 \times 90 = \dots\dots\dots$	$4 \times 8,000 = \dots\dots\dots$
$2 \times 900 = \dots\dots\dots$	$5 \times 70 = \dots\dots\dots$	$6 \times 900 = \dots\dots\dots$
$800 \times 8 = \dots\dots\dots$	$70 \times 5 = \dots\dots\dots$	$300 \times 9 = \dots\dots\dots$
$400 \times 5 = \dots\dots\dots$	$7,000 \times 4 = \dots\dots\dots$	$600 \times 5 = \dots\dots\dots$

Note that

$$\underline{3 \times 60}$$

$$= (3 \times 6) \times 10$$

$$= 18 \times 10 = 180$$

➤ Complete the following :-

$$\underline{7 \times 40}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{2 \times 80}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{5 \times 90}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{3 \times 30}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{4 \times 20}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{2 \times 50}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{6 \times 400}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{3 \times 800}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

$$\underline{8 \times 200}$$

$$= (\dots \times \dots) \times \dots$$

$$= \dots \times \dots = \dots$$

➤ **Find the following products :-**

➤ **Examples :-**

$$6 \times 20 = 120$$

$$= (6 \times 2) \times 10 = 12 \times 10 = 120$$

1) $7 \times 40 = \dots\dots\dots$

$$= (\dots\dots\dots \times \dots\dots\dots) \times \dots\dots\dots = \dots\dots \times \dots\dots = \dots\dots$$

2) $3 \times 60 = \dots\dots\dots$

$$= (\dots\dots\dots \times \dots\dots\dots) \times \dots\dots\dots = \dots\dots \times \dots\dots = \dots\dots$$

3) $5 \times 7,000 = \dots\dots\dots$

$$= (\dots\dots\dots \times \dots\dots\dots) \times \dots\dots\dots = \dots\dots \times \dots\dots = \dots\dots$$

Story problem

➤ Ahmed bought 7 books , each book costs 30 L.E . How much did Ahmed pay ?

Ahmed Paid = $\dots\dots\dots$ = $\dots\dots\dots$ L.E

➤ Salma studies 5 hours per day. How many hours does Salma study in 30 days ?

Salma studies = $\dots\dots\dots$ = $\dots\dots\dots$ hours

Multiplying by 9 using different strategies

➤ Find the product using different strategies :-

$3 \times 9 = \dots\dots\dots$

$6 \times 9 = \dots\dots\dots$

$1 \times 9 = \dots\dots\dots$

$0 \times 9 = \dots\dots\dots$

$9 \times 7 = \dots\dots\dots$

$11 \times 9 = \dots\dots\dots$

$9 \times 5 = \dots\dots\dots$

$4 \times 9 = \dots\dots\dots$

➤ Complete the same pattern :-

- 36 , 45 , ,
- 27 , , , 54
- 0 , 9 , ,
- 81 , 72 , , , 45

➤ Complete :-

$\dots\dots\dots \times 9 = 27$

$\dots\dots\dots \times 9 = 63$

$9 \times \dots\dots\dots = 81$

$9 \times \dots\dots\dots = 9$

$\dots\dots\dots \times 9 = 72$

$9 \times \dots\dots\dots = 18$

Addition and multiplication facts

1) Adding by zero

0 + any number = the same number

Ex. $0 + 3 = 3$
 $5 + 0 = 5$

Multiply by zero

0 × any number = 0

Ex. $0 \times 3 = 0$
 $5 \times 0 = 0$

2) Adding to 1

1 + any number = the number comes just after

Ex. $5 + 1 = 6$
 $1 + 7 = 8$

Multiply by 1

1 × any number = the same number

Ex. $5 \times 1 = 5$
 $7 \times 1 = 7$

3) Adding in any order

Addends can be added in any order and the sum does not change.

Ex. $3 + 2 = 5$
 $2 + 3 = 5$

Multiply in any order

Factors can be multiplied in any order and the product does not change

Ex. $3 \times 2 = 6$
 $2 \times 3 = 6$

4) Doubling numbers

Adding the same number
twice (multiplying by 2)

Ex. $4 + 4 = 8$
 $4 \times 2 = 8$

Multiplying big numbers

Break a part big numbers
into two smaller numbers

Ex. 5×7
 $= (5 \times 5) + (5 \times 2)$
 $= 25 + 10 = 35$

➤ Use addition or multiplication facts to find results:-

$8 \times 1 = \dots\dots\dots$

$5 + 1 = \dots\dots\dots$

$3 \times 0 = \dots\dots\dots$

$8 + 0 = \dots\dots\dots$

$5 + 5 = \dots\dots\dots$

$0 \times 7 = \dots\dots\dots$

$1 + 9 = \dots\dots\dots$

$0 + 10 = \dots\dots\dots$

$7 + 7 = \dots\dots\dots$

$4 \times 6 = \dots\dots\dots$

$3 + 0 = \dots\dots\dots$

$3 \times 3 = \dots\dots\dots$

➤ Complete the missing numbers:-

$4 \times 7 = 7 \times \dots\dots\dots$

$6 \times 9 = 9 \times \dots\dots\dots$

$\dots\dots\dots \times 3 = 3 \times 6$

$\dots\dots\dots \times 5 = 5 \times 8$

$2 + 5 = 5 + \dots\dots\dots$

$\dots\dots\dots + 2 = 2 + 6$

➤ **Complete the following :-**

- $6 \times 7 = (6 \times 5) + (6 \times \dots\dots\dots)$
 - $4 \times 8 = (4 \times 6) + (4 \times \dots\dots\dots)$
 - $7 \times 5 = (7 \times \dots\dots\dots) + (7 \times 2)$
 - $9 \times 7 = (9 \times \dots\dots\dots) + (9 \times 4)$
-

➤ **Put (\times) or ($+$) :-**

$9 \square 0 = 0$

$5 \square 1 = 6$

$7 \square 0 = 7$

$8 \square 1 = 8$

$2 \square 3 = 6$

$0 \square 9 = 0$

$7 \square 3 = 10$

$4 \square 3 = 12$

$4 \square 4 = 8$

$5 \square 5 = 25$

$9 \square 1 = 9$

$9 \square 1 = 10$

Liquid volume (Measuring capacity)

➤ Capacity :-

Is the amount of liquid a container can hold



➤ Units of capacity :-

Liter (L) :- used to measure large amounts



This carton of milk holds 2 liters

milliliter (mL) :- used to measure small amounts

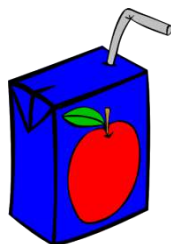


This dropper holds about 2 milliliter

Note that

1 liter (L) = 1,000 milliliters (mL)

➤ Choose the correct unit of capacity for each :-



(L / mL)



(L / mL)



(L / mL)



(L / mL)



(L / mL)



(L / mL)

➤ Choose the better estimation for each :-



(2 L / 2 mL)



(300 L / 300 mL)



(5 L / 5 mL)



(7 L / 7 mL)

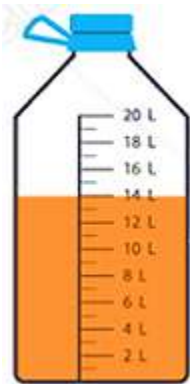


(250 L / 250 mL)

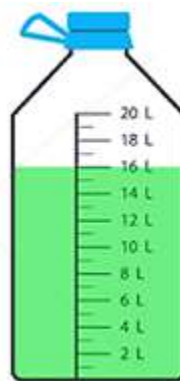


(3 L / 3 mL)

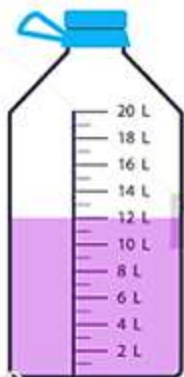
➤ Write the capacity for each of the following :-



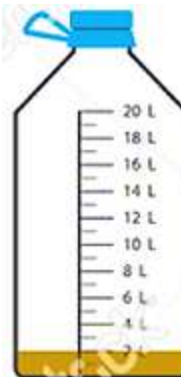
..... mL



..... mL



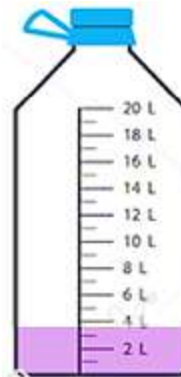
..... mL



..... mL

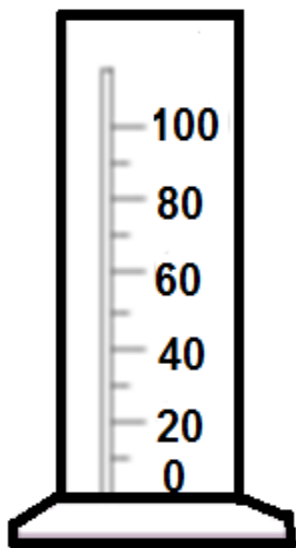


..... mL

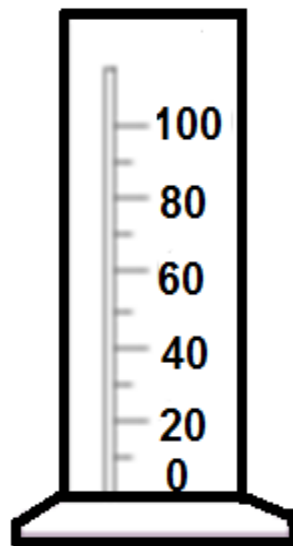


..... mL

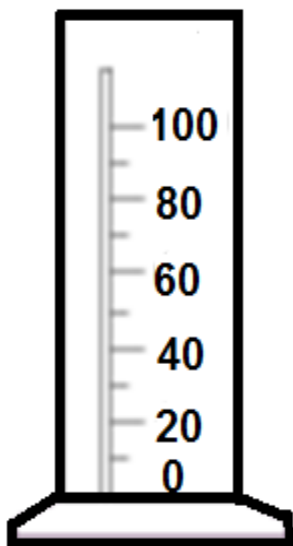
➤ Color to reach the given measures :-



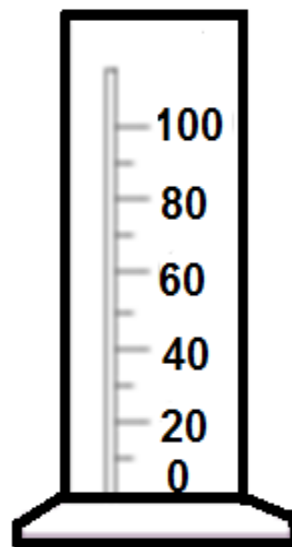
40 mL



100 mL



80 mL



20 mL

➤ **Choose the correct answer :-**

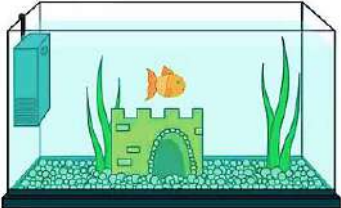
1) 4 L = mL (40 / 400 / 4,000)

2) 12 L = mL (120 / 1200 / 12,000)

3) 30 L = mL (300 / 3,000 / 30,000)

4) 7 Liters = mL (700 / 700 / 7,000)

5) 1 Liter = milliliters (100 / 1,000 / 10,000)

6)  is measured by (mL / L)

➤ **Complete the following :-**

1) 9 L = mL

2) 27 L = mL

3) 30 L = mL

4) 15 Liters = milliliters

Model (1)

➤ Find each product of the following :-

$7 \times 10 = \dots\dots\dots$

$2 \times 9 = \dots\dots\dots$

$60 \times 4 = \dots\dots\dots$

$0 \times 8 = \dots\dots\dots$

$2 \times 700 = \dots\dots\dots$

$2,000 \times 9 = \dots\dots\dots$

$1 \times 50 = \dots\dots\dots$

$4 \times 5,000 = \dots\dots\dots$

➤ Circle the correct answer :-



(L / mL)



(L / mL)



(L / mL)

Model (2)

➤ **Choose the correct answer :-**

1) $3 \times 7,000 = \dots\dots\dots$ (2,100 / 21,000 / 21)

2) $6 \times \dots\dots\dots = 2400$ (4 / 400 / 4000)

3) $\dots\dots\dots \times 300 = 2700$ (9 / 90 / 900)

4) $8 \times \dots\dots\dots = (8 \times 5) + (8 \times 2)$ (10 / 8 / 7)

5) $9 \times \dots\dots\dots = (9 \times 2) + (9 \times 6)$ (4 / 8 / 10)

-
- There are 30 apples in a box . How many apples are there in 9 boxes ?

The number of apples = $\dots\dots\dots$ = $\dots\dots\dots$ apples

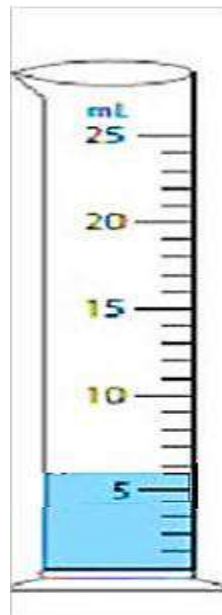
- Sarah has 4 packets of sweets each with 20 pieces of sweets in .
How many pieces of sweets Sarah has ?

The number of pieces = $\dots\dots\dots$ = $\dots\dots\dots$ pieces

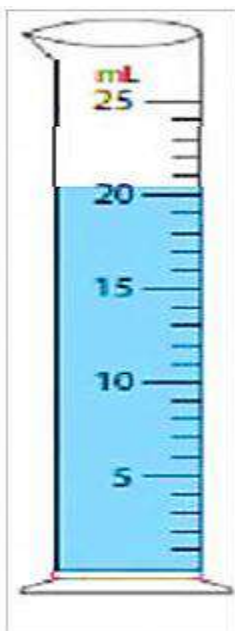
➤ How many mL are there ?



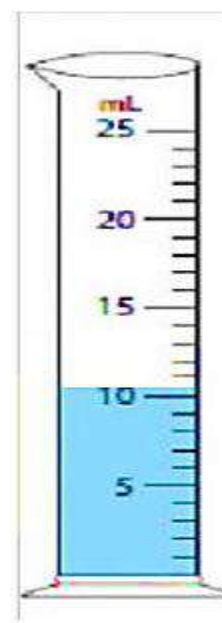
..... mL



..... mL



..... mL



..... mL